CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 2	Glenwood Springs, Colo.	Sept. 21
Oct. 2	Saranac Lake, N. Y.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 2	Wickliffe, O.	Sept. 28
Oct. 3	Haines City, Fla.	Sept. 7
Oct. 3	St. Louis, Mo.	Sept. 28
Oct. 3	Cedar Grove, La.	Sept. 28
Oct. 5	Marshall, Ill.	Sept. 14
Oct. 6	Memphis, Tenn.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 6	New York, N. Y.	Sept. 28
Oct. 10	Greensboro, N. C.	Sept. 14
	Adv. Sept. 14 to 28.	
Oct. 10	Covington, La.	Sept. 28
Oct. 11	Binghamton, N. Y.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 19	Newark, N. J.	Sept. 7
	Adv. Sept. 28.	

SEWERS

Sept. 30	Detroit, Mich.	Sept. 28
Oct. 2	Cape Girardeau, Mo.	Sept. 21
Oct. 2	Saranac Lake, N. Y.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 2	Alexandria, La.	Sept. 21
Oct. 2	Cleveland Heights (Warrensville P. O.), O.	Sept. 28
Oct. 3	Toronto, Ont.	Sept. 7
Oct. 3	Phila., Pa.	Sept. 28
Oct. 4	Hartsdale, N. Y.	Sept. 28
	Adv. Sept. 28.	
Oct. 5	Maple Heights (Worthington P. O.), O.	Sept. 28
Oct. 10	Syracuse, N. Y.	Sept. 7
Oct. 10	Waseca, Minn.	Sept. 21
Oct. 11	Salt Lake City, Utah	Sept. 28
Oct. 16	State College, Pa.	Sept. 21
Oct. 16	Hackensack, N. J.	Sept. 28
	Adv. Sept. 28.	
Oct. 17	Salt Lake City, Utah	Sept. 28

WASTE DISPOSAL

Sept. 22	Trenton, N. J.	Sept. 7
Oct. 6	Charleston, W. Va.	Sept. 21
	Adv. Sept. 21 and 28.	

BRIDGES

Oct. 2	Lansing, Mich.	Sept. 28
Oct. 2	Ohio	Sept. 28
Oct. 3	Georgia	Sept. 28
Oct. 6	Seattle, Wash.	Sept. 7
Oct. 6	Cincinnati, O.	Sept. 28
Oct. 7	New Jersey	Sept. 28
	Adv. Sept. 28.	
Oct. 9	White Plains, N. Y.	Sept. 21
	Adv. Sept. 14 to 28.	
Oct. 10	Virginia	Sept. 28
Oct. 16	Sacramento, Cal.	Sept. 14
Oct. 19	Chesterfield, S. C.	Sept. 21
Oct. 31	Sydney, Australia	Jan. 12
Jan. 23	Spokane, Wash.	Sept. 21
Sept. 1, 1923	Sydney, New South Wales, Australia	Aug. 3

DAMS

Oct. 6	Winters, Tex.	Sept. 28

EXCAVATION, DRAINAGE IRRIGATION

Oct. 2	Arcadia, Ga.	Sept. 28
Oct. 3	Ft. Lauderdale, Fla.	Sept. 21
	Adv. Sept. 14 to 21.	
Oct. 3	Merced, Calif.	Sept. 21
Oct. 3	Paradise, Calif.	Sept. 21
Oct. 7	Illinois	Sept. 21
Oct. 10	Red Oak, Ia.	Sept. 28
Oct. 23	Hershey, Neb.	Sept. 28
	Adv. Sept. 28.	
Oct. 27	Minneapolis, Minn.	Sept. 21

STREETS AND ROADS

Bids Close		See Eng. News-Record
Sept. 30	La Porte, Ind.	Sept. 28
Oct. 2	Sullivan, Ind.	Sept. 28
Oct. 2	Paoli, Ind.	Sept. 28
Oct. 2	Warsaw, Ind.	Sept. 28
Oct. 2	Alexandria, La.	Sept. 21
Oct. 2	Vevay, Ind.	Sept. 21
Oct. 2	Noroton Heights, Conn.	Sept. 14
	Adv. Sept. 14 to 28.	
Oct. 2	Ontario	Sept. 21
Oct. 2	Syracuse, N. Y.	Sept. 21
Oct. 2	Sioux Falls, S. D.	Sept. 28
Oct. 2	Cranbury, N. J.	Sept. 28
Oct. 2	Jacksonville, Fla.	Sept. 28
Oct. 2	Starkeville, Miss.	Sept. 28
Oct. 3	Huntsville, Tex.	Sept. 28
Oct. 3	Decorah, Ia.	Sept. 28
Oct. 3	St. Louis, Mo.	Sept. 28
Oct. 3	Quebec	Sept. 21
Oct. 3	Anderson, S. C.	Aug. 31
Oct. 3	Washington	Aug. 31
Oct. 3	Bridgeton, N. J.	Sept. 28
Oct. 3	Winamac, Ind.	Sept. 28
Oct. 3	Bloomfield, Ind.	Sept. 28
Oct. 3	Columbus, O.	Sept. 28
Oct. 3	Long Branch, N. J.	Sept. 28
	Adv. Sept. 28.	
Oct. 4	Michigan	Sept. 21
Oct. 4	Bismarck, N. D.	Sept. 21
Oct. 4	Greenville, S. C.	Sept. 21
Oct. 4	Salt Lake City, Utah	Sept. 28
Oct. 4	Brooklyn, N. Y.	Sept. 28
Oct. 5	St. George, N. Y.	Sept. 28
Oct. 5	Tracy, Calif.	Sept. 28
Oct. 5	Michigan	Sept. 28
Oct. 5	Dallas, Tex.	Sept. 28
Oct. 5	Athens, Tenn.	Sept. 28
Oct. 6	Indianapolis, Ind.	Sept. 28
Oct. 6	Wellington, Kan.	Sept. 14
Oct. 6	Alabama	Sept. 14
Oct. 6	Bonham, Tex.	Sept. 28
Oct. 9	California	Sept. 21
Oct. 9	Laurel, Miss.	Sept 28
	Adv. Sept. 28.	
Oct. 9	West Park (Cleveland P. O.), O.	Sept. 28
Oct. 9	Orange, Tex.	Sept. 28
Oct. 10	Georgetown, Tex.	Sept. 28
Oct. 10	Virginia	Sept. 28
Oct. 10	Michigan	Sept. 28
Oct. 10	Ft. Myers, Fla.	Sept. 21
Oct. 11	Pittsburgh, Pa.	Sept. 28
Oct. 11	Santa Rosa, Calif.	Sept. 28
Oct. 11	Ridgeland, S. C.	Sept. 28
Oct. 13	Iola, Kan.	Sept. 14
Oct. 14	Tennessee	Sept. 28
Oct. 16	Coalmont, Tenn.	Sept. 28
Oct. 16	Dade City, Fla.	Sept. 28
Oct. 16	California	Sept. 28
Oct. 17	Pennsylvania	Sept. 28
	Adv. Sept. 28.	
Oct. 18	Syracuse, N. Y.	Sept. 28
Oct. 19	Charleston, S. C.	Sept. 28
Oct. 24	St. Louis, Mo.	Sept. 28
Jan. 7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Oct. 3	Union Grove, Wis.	Sept. 21
Oct. 5	Marshall, Ill.	Sept. 14
Oct. 16	Cleveland, O.	Sept. 28

BUILDINGS

Sept. 30	Pittsfield, Mass.	Sept. 28
Oct. 2	Westerly, R. I.	Sept. 28
Oct. 2	Cedar Rapids, Ia.	Sept. 14
Oct. 2	Galt, Ont.	Sept. 28
Oct. 2	St. Paul, Minn.	Sept. 28
Oct. 2	West Hartford, Conn.	Sept. 28
Oct. 3	Sacramento, Calif.	Sept. 7
Oct. 5	Cleveland, O.	Sept. 28
Oct. 5	Phila., Pa.	Sept. 28
Oct. 6	Brookville, O.	Sept. 14
Oct. 6	Oakwood (Dayton P. O.), O.	Sept. 28
Oct. 7	Mt. Pleasant, Mich.	Sept. 28
Oct. 9	Johnstown, Pa.	Sept. 28
Oct. 9	Knoxville, Tenn.	Sept. 28
Oct. 9	Minneapolis, Minn.	Sept. 28
Oct. 10	Detroit, Mich.	Sept. 28
Oct. 10	Selma, Calif.	Sept. 21
Oct. 10	Baltimore, Md.	Sept. 21
Oct. 16	Altoona, Pa.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 16	Port Huron, Mich.	Sept. 28
Oct. 16	Patchogue, N. Y.	Sept. 28
Oct. 17	Racine, Wis.	Sept. 21
Oct. 19	Athens, O.	Sept. 28
Oct. 19	Phoenix, Ariz.	Sept. 28
Oct. 20	Logan, O.	Sept. 28
Oct. 31	Creedmoor (Jamaica P. O.), N. Y.	Sept. 28
	Adv. Sept. 28.	

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
Oct. 2	Steel Buoys—Staten Island, N. Y.	Sept. 21
Oct. 3	Spur Dikes—New Orleans, La.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 4	Telephone System—Tuskegee, Ala.	Sept. 14
Oct. 5	Dredging — New York, N. Y.	Sept. 7
	Adv. Sept. 7 to 28.	
Oct. 5	Remodeling—Boone, Ia.	Sept. 28
Oct. 6	Dredging — Wilmington, Del.	Sept. 7
	Adv. Sept. 7 to 28.	
Oct. 6	Post Office — Charleston, W. Va.	Sept. 14
Oct. 7	Cement—Wash., D. C.	Sept. 21
Oct. 9	Oil Storage House—Brooklyn, N. Y.	Sept. 28
	Adv. Sept. 28.	
Oct. 10	Towboat—Mobile, Ala.	Sept. 14
	Adv. Sept. 7 to 28.	
Oct. 11	Hospital — Tupper Lake, N. Y.	Sept. 21
	Adv. Sept. 28	
Oct. 11	Remodeling — Mare Island, Calif.	Sept. 21
Oct. 11	Quarters, etc. — San Diego, Calif.	Sept. 21
Oct. 11	Earthwork, St. Louis, Ill.	Sept. 28
	Adv. Sept. 28.	
Oct. 13	Pump, etc.—Wash., D. C.	Sept. 28
Oct. 16	Earthwork—Yuma, Ariz.	Sept. 14
Oct. 16	Hospital—Chelsea, N. Y.	Sept. 28
	Adv. Sept. 28.	
Oct. 16	Mechanical Equipment — Chelsea, N. Y.	Sept. 28
Oct. 18	Quarters—Edgewood, Md.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 20	Dredge Tenders — Phila., Pa.	Sept. 28
Oct. 23	Dredging — Providence, R. I.	Sept. 28
	Adv. Sept. 28.	
Oct. 23	Dump Scows — Nashville, Tenn.	Sept. 21
	Adv. Sept. 21 and 28.	
Oct. 24	Pier Removal, etc. — Chicago, Ill.	Sept. 28
	Adv. Sept. 28.	
Oct. 31	Dredging—Honolulu, H. T.	Aug. 31

MISCELLANEOUS

Oct. 2	Pier—Vancouver, B. C.	Sept. 7
Oct. 2	Gas Plant Equipment, etc.—Alexandria, La.	Sept. 21
Oct. 3	Dumping Units, etc. — Ft. Lauderdale, Fla.	Sept. 28
Oct. 4	Levee—New Orleans, La.	Sept. 28
Oct. 5	Air Compressor, etc. — New York, N. Y.	Sept. 28
Oct. 6	Crushed Rock — Fresno, Calif.	Sept. 28
Oct. 9	Coal Hopper Equipment, etc. —Northville, Mich.	Sept. 28
Oct. 10	Steam Turbine, etc.—New Orleans, La.	Aug. 17
	Adv. Aug. 17 to Sept. 28.	
Oct. 18	Brick—Wash., D. C.	Sept. 28
Nov. 4	Transformers, etc. — Melbourne, Australia	Aug. 17
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21

Where name of official is not given inquiries shou.d be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Lumberton — See "Streets and Roads."

O., Wellsville—Takes bids about Nov. 15 new water supply system. W. J. Sherman Co., Wellsville, engrs.

Kan., Morrill—Waterworks and sewerage systems, to Hybskman & Wiley, Seneca, $22,770 and $21,829 respectively. Noted Aug. 17.

S. D., Rapids City—Having plans prepared new waterworks system, (gravity supply). $175,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Mo., Trenton—Had revised plans prepared for waterworks improvements. Plans election to vote on $135,000 bonds for same. Burns & McDonnell, Interstate Bldg., Kansas City, engrs.

Col., Boulder—Making plans rein.-con. reservoir, 10,000,000 gal. capacity. $100,000. Burns & McDonell, 402 Interstate Bldg., Kansas City, Mo., engrs.

Ariz., Flagstaff—Making plans new water supply system, incl. reservoir 100,000,000 gal. capacity. $500,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Wash., Marble—J. White Co. having surveys made and takes bids in spring, earth daam 600 ft. long, 60 ft. high, flumes, wood and concrete pipe, also structures for 1,000 acre irrigation project. $200,000-$300,000. J. W. Beardsley, Marble, engr.

Waterworks (Continued)

Ont., Windsor—Having plans prepared filtration plant. $125,000. Prices wanted on all materials and equipment. James, Proctor & Redfern, Excelsior Life Bldg., Toronto, engrs.

BIDS DESIRED

N. Y., New York—Oct. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains on subway bridge over Bronx River and on highway bridge over New York, New Haven & Hartford R.R. also in Westchester Ave. and Edgewater Rd., Bronx Boro.

La., Cedar Grove—Oct. 3, waterworks and sanitary sewerage system, incl. pumping plant, reservoir, disposal plant, 67,007 ft. 2, 4, 6, 8 and 10 in. water pipe, 57,056 ft. 8, 10, 12 and 15 in. sewer pipe, valves, hydrants, etc. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

La., Covington—Oct. 10, by R. W. Badon, mayor and Town Council, building waterworks and sewerage systems, incl. c.i. and galvanized pipe and fittings, hydrants, valves and boxes, motor driven pumping sets, reservoir, elevated tank, pumphouse, sewer pipe, and pumps, etc. Kramer Eng. Co., Magnolia, Miss., consult. engrs. Noted Feb. 9.

O., Columbus—See "Streets and Roads."

O., Wickliffe—Oct. 2, 6,760 ft. 4-10 in. c.i. mains in Worden and Wade Aves., also grading and laying sidewalks on Euclid Ave. $43,600. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mo., St. Louis—Oct. 3, by Bd. Pub. Serv., City Hall, furnishing and delivering 160 ton special castings, $12,000; two hundred seventy 4-36 in. hub or stop valves, and one 6 in. and one 12 in. tap valves, $18,500; 300 fire hydrants 5½ in. valve and 4½ in. nozzle of special St. Louis standard, $20,000; 3,387 ton 6-36 in. Grade A coated c.i. pipe, $150,000. E. E. Wall, 312 City Hall, water comr.

BIDS RECEIVED

Ore., Grants Pass—Grants Pass Irrigation Dist., opened bids Sept. 15, 2 pumping plants, one 9,000 g.p.m., 154 ft. head, 450 h.p. motor, other 4,500 g.p.m., 141 head, 200 h.p. motor direct connected, automatic compensator control, from Lea Courtenay Co., East Ferry and Main Sts., Newark, N. J., $7,509; DeLaval Steam Turbine Co., L. C. Smith Bldg., Seattle, Wash., $7,570; Power Equipment Co., 806 Lewis Bldg., Portland, $7,650. Engrs. est. $9,000. Noted July 27.

CONTRACTS AWARDED

O., Sebring—Water purification plant, to E. J. Landor, Renkert Bldg., Canton, $41,270.

O., Steubenville—R. P. Price, dir. Pub. Serv., furnishing 127 ton Class "C" c.i. pipe, f.o.b. Steubenville, to Federal Asphalt Co., Hamilton, $116,145. Noted Sept. 7.

Mich., Detroit — Water Bd. will build water mains in Wilshire Dr., McLean, Wetherby, Sanford, Northfield, Halleck, Meade, Hasse, Hildale and Rochester Aves., incl. 5,475 ft. 6 in. and 250 ft. 8 in. c.i. pipe, by day labor. T. A. Leisen, Waterworks Park, engr.

Wis., Milwaukee—To United States Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, 183 ton Class A water pipe $51.75 per ton, 5 ton special castings $145 per ton, total $10,195.

Utah, Ogden — Furnishing and laying 550 ton c.i. pipe, valves, etc., to F. W. Spencer Co., State St., Salt Lake City, $49,202. Noted Aug. 31.

Calif., Grenada — Grenada Irrigation Dist., rebuilding pumping plants, to L. Youdall, Commercial Bank & Savings Bldg., Stockton, $5,255; structures for 24 mi. canals, incl. checks, etc., to D. M. Reid, Grenada, $7,369; 14 mi. new canals and deepening 7 mi. present canals to G. Milne, Ft. Jones, $18,671. Bids for reconstructing dam were rejected, work will be done by day labor. Noted Sept. 21.

Ont., Port Credit—Pumping equipment for pumphouse, to Turbine Equipment Co., 73 King St. W., Toronto; hydrants to Dominion Steel Products Co., Brantford. Engrs. total est. $45,000. Noted Aug. 17.

Sewers

PROPOSED WORK

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., withdrew bids which were to be opened Sept. 8, sewer in Howland St., etc. Received no bids Sept. 8, repairs to outlet flume from Jamaica Sewage disposal plant to creek flowing into Jamaica Bay. Will readvertise. Noted Sept. 7.

N. C., Lumberton — See "Streets and Roads."

Mich., Detroit — Having plans prepared 1½ mi. storm sewer in Bedford Rd., 9 ft. 6 in. diam., 3 ring brick or monolithic concrete. J. W. Reid, city engr.

Ill., South Beloit (Beloit, Wis. P. O.)—Bd. Local Impvts. soon receives bids outfall sewer, bulkhead, etc., in Sanitary Dist. 1, 2½, 3, 3½ and 4 ft. rein.-con. pipe. $78,000. L. A. Parsons, pres. R. Butterman, Goodwin Blk., Beloit, Wis., engr. G. L. Clausen, 139 North Clark St., Chicago, consult. engr.

Que., Montreal—Plans 480 ft. of 2 x 3 brick sewer in Bellechasse St. from De Normandville to Chambord Sts. $3,689, 324 ft. 2 x 3 brick and 1,560 ft. 12 in. tile sewer in Sherbrooke St. from Des Erables to Wurtele Sts. $2,529 and $47,178 respectively, 1,264 ft. 2 x 3 brick sewer in Cote des Neiges Rd. from existing sewer north of Trafalgar Ave. northerly, $12,480. R. Bauset, city clk.

Ont., Hamilton—Having plans prepared sewers in Cope, Barton, Kenilworth, Brittania and Harmony Sts. $700,000. Prices wanted on materials. E. R. Gray, city engr.

BIDS DESIRED

N. Y., Hartsdale—Oct. 4, by Bd. Comrs. Hartsdale Sewer Dist., Wilson St., constructing and completing sewerage system in town of Greenburgh. R. W. Briggs, secy.; adv. this issue.

N. J., Hackensack—Oct. 16, by Hackensack Impvt. Comn., Municipal Bldg., 346 State St., for sewer work, Contr. 4. L. Lozier, Bank Bldg., Main and Mercer Sts., engr.; adv. this issue.

Pa., Phila.—Oct. 3 by F. H. Caven, dir. pub. wks., for 6,300 ft. 2 ft. 3 in. x 1 ft. 6 in. brick sewer in Ridley St. from Limekiln Pike to 20th St., Smedley St. from Moyamensing Ave. to Pollock St., 16th St. from Moyamensing Ave. to Pennsylvania R.R., 16th St. from 68th Ave. to Haines St., 67th Ave. from 15th to 18th Sts., $32,000; 3,300 ft. 2 ft. 3 in. x 1 ft. 6 in. brick sewer in Holbrook Ave. from Elmwood to Buist Aves., Mentor St. from C to D Sts., Moyamensing Ave. to 15th to 18th Sts., Penn St. from Henry to Vaux Sts., Pollock St. from Moyamensing Ave. to Broad St., $27,000; 3,908 ft. 30 in. brick and tile sewer in Bigler St. from Moyamensing Ave. to Broad St., Colna St. from Moyer to Thompson Sts., Colorado St. from 18th St. to Pennsylvania R.R., Dickens Ave. from 64th to Gross Sts., 15th St. from Pennsylvania R.R. to Moyamensing Ave. J. A. Vogelson, City Hall, engr.

La., Covington—See "Waterworks."

O., Columbus—See "Streets and Roads."

O., Cleveland Heights (Warrensville P. O.)—Oct. 2, 7,670 ft. 8-24 in. vitr. and 5,615 ft. 36 and 48 in. segmental block sewers in Blanche and Hyde Park Aves., Ridgefield and South Compton Rds. $56,157. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Maple Heights (Worthington P. O.) —Oct. 5, sewers in Bway. Sewer Dist. To exceed $25,000. C. W. Courtney, 506 Leader-News Bldg., Cleveland, engr.

Mich., Detroit—Sept. 30, by Dept. Pub. Wks., 3,440 ft. Ryan Ave. Arm of Seven Mile Rd. Sewer in Ryan Ave. from Minnesota Ave. to Seven Mile Rd., 1,760 ft. of 4 x 6 ft., 985 ft. 3 ft. 8 in. x 5 ft. 6 in., 662 ft. 2 ft. 10 in. x 4 ft. 3 in. egg, 33 ft. 20 in. crock; 2,628 ft. Fenelon Ave. Arm of Seven Mile Rd. Sewer in Fenelon Ave. from Seven Mile Rd. to Nevada Ave., 1,370 ft. 4 x 6 ft., 655 ft. 3 ft. 8 in. x 5 ft. 6 in., 603 ft. 3 ft. 2 in. x 4 ft. 9 in. egg; 1,840 ft. 7 ft. 9 in. cylinder in Edison Ave. Arm Sewer in Edison Ave. from 3rd St. to Woodward Ave.; 2,993 ft. Huston Ave. Arm of Gratiot Ave. Sewer in Huston Ave from Gratiot to Peoria Ave., 1,400 ft. 4 ft. 6 in., 1,423 ft. 4 ft., 50 ft. 3 ft. cylinder, 40 ft. 24 in., 40 ft. 18 in., 40 ft. 15 in. crock; 2,572 ft. Westminster Ave. Arm of Bates St. Sewer in Westminster Ave. from Brush to Russell Sts., 1,550 ft. 5 ft. 9 in., 958 ft. 5 ft. cylinder, 22 ft. 5 ft., 42 ft. 3 ft. 2 in. x 4 ft. 9 in. connection, 24 ft. 12 in. c.i. pipe, 30 ft. 12 in. crock. J. W. Reid, city engr.

Utah, Salt Lake City—Oct. 11, by City Comrs., 20,000 ft. 8-12 in. sanitary sewers Extension 409. $58,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—City Comrs. receiving bids 30,000 ft. 8-36 in. concrete or vitr. tile sewers in Farmers Ward. $133,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—Oct. 17, by City Comrs., 29,000 ft. 8-18 in. concrete or vitr. tile sewers in Sewer Extension 410, Northwest Dist. $94,000. S. Q. Cannon, city engr.

Calif., Tracy—See "Streets and Roads."

BIDS RECEIVED

N. J., Newark—Passaic Valley Sewerage Comrs., 128 Market St., opened bids Sept. 19, 3rd and 4th Ave. local sewer connections, from Arnolt-More, Inc., 45 Clinton St., $59,000; Harrison & Stillman Co., Paterson (street address not available), $71,500.

O., West Park (Cleveland, P. O.)—W. Dahm, dir. Pub. Serv., opened bids Sept. 13, storm and sanitary sewers in Munn Rd. from Warren to Triskett Rd., 5,200 ft. 8-24 in. vitr. pipe; from Randall & Cooper, Lorain, $24,661; T. E. Jackson, 10714 Amor Ave., Cleveland, $29,664. Noted Sept. 7.

Mich., Springwells — For (1) 3,447 ft. Section. 10 main sanitary sewer, incl. 1,447 ft. 72 in., 730 ft. 66 in., 570 ft. 60 in., 333 ft. 48 in. and 344 ft. 42 in. brick or monolithic concrete pipe, (2) 5,058 ft. Sect. 14, incl. 609 ft. 72 in., 749 ft. 66 in., 570 ft. 60 in., 333 ft. 48 in. and 344 ft. 42 in. brick or monolithic concrete pipe, from Detroit Drainage Constr. Co., 5099 Lemay Ave., Detroit, (1) $65,578; J. Porath, 745 Griswold St., Detroit,, (1) $70,764, (2) $103,677; C. M. Davis, 3-154 General Motors Bldg., Detroit, (1) $73,980, (2) $104,103; R. Mercier, 5435 Wesson Ave., Detroit, (2) $103,946. Noted Sept. 7.

Calif., Modesto—Storm sewers in Dist. 4, from Frederickson & Shannon, Cory Bldg., Fresno, $58,970; Heafey, Moore & McNair, 2030 High St., Oakland, $62,500. Noted Aug. 31.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Brown Pl., etc., to J. F. Clancy, Inc., 460 Lockwood Ave., Astoria, $27,433. Noted Sept. 14.

N. Y., New York—H. Bruckner, pres. Bronx Boro, sewers in West Kingsbridge Rd., to M. Del Balso, 660 West 221st St., $2,952; Phillips Ave., to J. V. Timoney Constr. Co., 320 East 201st St., $14,930; Lafayette Ave., to Knight & Dimicco, 448 East Tremont Ave., $14,878; Liebig Ave., to Gregorri & Gabrielle, $4,844; White Plains Ave., etc., to McLaughlin & Buckley, 337 East 134th St., $28,828. Noted Sept. 21.

Pa., Phila.—Sewage disposal plant, 40th Ward, general contract to Jackson & Co., 119 South 4th St., $153,900; mechanical equipment, to Sanitary Corp., 165 Bway., New York City, $49,000. Noted Sept. 14.

Ky., Hazard—Sanitary sewerage system, to Hord Constr. Co., Huntington, W. Va., $56,682. Noted Sept. 7.

Kan., Kansas City — For 2 mi. storm sewer for Armourdale, 6 ft. diameter, flood gate and force pump, to T. M. Torson Constr. Co., 73rd St. and Metropolitan Tracks. Engrs. est. $145,000.

Kan., Morrill—See "Waterworks.".

O., Cleveland—Sewers in Carnegie Ave to D. Zullo, 10501 Hudson Ave., $10,671; Aspinwall Ave. and Saranac Rd. also Pearl Rd. Relief sewer, to Manson Co., 335 The Arcade, $27,967 and $58,042 respectively; Roseland Ave., to Hadded Mall Co., Schofield Bldg., $16,720. Noted Sept. 21.

Wis., Rice Lake — Sewers in various strets, incl. 15,740 lin.ft. 8-15 in. vitr. sewer pipe, 255 y's, 51 manholes, to Pastoret Constr. Co., 308 Sellwood Bldg., Duluth, Minn., $26,743. Noted Sept. 7.

Waste Disposal

BIDS RECEIVED

N. J., Trenton—City Comrs., Municipal Bldg., opened bids Sept. 22, 2 story, 50 x 50 ft., brick and steel addition to crematory, incl. 4 new incinerators, Southard St., from Ballard, Sprague & Co., Inc., 200 5th Ave., New York City, $58,363; C. J. Smith Constr. Co., 202 Academy St., $63,329; Decarie Incinerator Co., McKnight Bldg., Minneapolis, Minn., $68,150. Noted Sept. 7.

CONTRACTS AWARDED

Pa., Greensburg—Boro., 2 story, 32 x 45 ft. garbage disposal plant, with 100 ft. brick stack, 5 ft. diam. at top and 10 ft. base, two 20 ton incinerators, to Burrell & Snyder, Coulter Bldg.

Bridges

PROPOSED WORK

Mich., Crystal Falls—State Hy. Dept., Lansing, soon takes bids building Bridge 360205, with 2 rein.-con. arches, 240 ft. long, 24 ft. roadway, two 6 ft. walks. F. F. Rogers, state highway comr.

Mich., Detroit—Pennsylvania R.R., 1368 Penobscot Bldg., plans 600 ft. steel viaduct at Union Depot, 3rd St. B. V. Summerville, 1368 Penobscot Bldg., engr.

BIDS DESIRED

New Jersey—Oct. 7, by Joint Comn. for Elimination of Toll Bridges over Delaware River, between New Jersey and Pennsylvania, at State House, Trenton, for repairs to bridge over Delaware River between Montague Twp., Sussex Co., N. J., and Milford, Pike Co., Pa. L. Focht, 125 West State St., Trenton, engr.; adv. this issue.

Bridges (Continued)

Virginia—Oct. 10, by H. G. Shirley, chn. State Hy. Com., Richmond, 24 ft. rein.-con. beam bridge, 19 ft. over Sulphur Springs Branch, Route 11, Project 256, Tazewell Co; 55 ft. rein.-con. beam bridge, 19 ft., over South Fork Clynch River, Route 11, Project 256, Tazewell Co; 82 ft. rein.-con. beam span bridge, 19 ft., over North Fork Clynch River, Route 11, Project 256, three 25 ft. clear spans; 113 ft. bridge 19 ft., over Beaver Creek, Route 3, Project 170, Henry Co., three rein.-con. spans. G. P. Coleman, Richmond, highway comr.

Ohio—Oct. 2, by W. H. Duffy, dir. Pub. Serv., Columbus, raising existing span and building new spans, etc., for Rathbone Bridge, 1,100 ft. long, 16 or 18 ft. wide, across Scioto River in Concord Twp., Delaware Co. $120,000. R. H. Simpson, City Hall, Columbus, engr. Noted Sept. 14.

O., Cincinnati—Oct. 6, Hamilton Co., substructure, concrete floor and 700 lin.ft. waterbound macadam roadway for approaches to Bridge 7, 950 lin.ft. long, on Cleves Warsaw Rd. 209, Green Twp., 5,000 cu.yd. earth excav., 650 cu.yd. dry excav. for abutments, 150 cu.yd. 1-1½-3 and 1,400 cu.yd. 1-2-4 concrete, 30,000 lb. reinforcing, 800 cu.yd. crushed stone and 200 cu.yd. screenings, etc., $29,988; superstructure for above bridge incl. one 240 ft. riveted steel truss span, 285 ton riveted steel, $28,500. E. A. Gast, Hamilton Co. Court House, engr.

Mich., Lansing—Oct. 2, by city clerk, rein.-con. combined river and grade separation bridge. $175,000. W. Bintz, city engr.

BIDS RECEIVED

Mass., Lowell—Bd. Pub. Serv., City Hall, opened bids Sept. 20, rebuilding Lundberg St. Bridge over Boston & Maine R.R., 120 ft. span, 45 ft. wide, from Z. A. Hole, Lowell, $41,358; McClintic-Marshall Co., Pottstown, Pa., $45,764; Boston Bridge Wks., 47 Winter St., Boston, $52,008. Engrs. est. $40,000. Noted Sept. 14.

Del., Wilmington—New Castle Co. repairing Fennimores Bridge over Appoquinimink Creek, in St. Georges Hundred, one 122 ft. steel truss span, from Delaware Constr. Co., Wilmington, (street address not available), $21,873; Scott & Wells, Towns End, $25,683; T. R. Claringbold, Newark, $27,539.

CONTRACTS AWARDED

Mass., South Boston (Boston P. O.) — New York, New Haven & Hartford R.R., South Sta., Boston, wooden trestle, 170 ft. long, and loop track, at Northampton St. freight yards, to Wilson & English Constr. Co., 10 High St., Boston. Engrs. est. $25,000.

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges and culverts on State Project 528, Davidson Co., and State Project 608, Anson Co., to J. A. Peterson, Montgomery, Ala. (street address not available), $65,843 and $69,234 respectively; State Project 858, Mitchell Co., to R. M. Thurmond & Co., Lynchburg, Va., $38,516; State Project 784, Wilkes Co., to E. P. Robinson, North Wilkesboro, $29,536; State Project 712, Ashe Co., to J. T. Plott, Greensboro, $81,424; State Project 157 B, Martin Co., to Batson-Cook Co., West Point, Ga., $37,845; State Project 157 A, Martin Co., to J. A. Marrow, Clarksville, Va., $34,161; State Project 822, Cleveland Co., to J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., $37,380. Noted Sept. 14.

Ohio—See "Streets and Roads."

Indiana—State Hy. Dept., Indianapolis, constructing 31 ft. 6 in. steel truss bridge over Drainage Ditch, State Rd. 2-L, Whitley Co., to W. B. Hill, Ligonier, $1,995; 182 ft. 7 in. skew type steel truss bridge (wood block floor and painting), over Pigeon Creek, State Rd. 10-A, Vanderburgh Co., to A. G. Schenk, Mt. Vernon, $6,218; 72 ft. skew type steel truss (substructure only) over Robbins Ditch, State Rd. 15-F, Starke Co., to A. L. Blum and J. W. Parr, Hamlet, $3,886; 16 ft. rein.-con. slab, over Drainage Ditch, State Rd. 27-C, and 18 ft. rein.-con. slab over Scott Ditch, State Rd. 27-C, Kosciusko Co., to Elkhart Bridge and Iron Co., Elkhart, $2,633 and $6,135 respectively; steel truss bridge, with three 198 ft. spans and one 49 ft. span, (wood block floor and painting), over Wabash River, State Rd. 31-A, Vermilion Co., to O. Kirtley, Plainfield, $17,198. Noted Sept. 7.

Mich., Hillman—District Engineers, Alpena, for Bridge 600,401, 150 ft., two 75 ft. rein.-con. girders, 20 ft. roadway, to J. Nelson, Alpena, $32,129. Noted Sept. 7.

Ia., Manchester—Supervs. Delaware Co., to Winn Constr. Co., Muscatine, 16 culverts and extensions, 1 truss, 1 I beam and 1 slab bridge, $23,600 (concrete figure $21.63 per cu.yd.); to Parsons & Meyer, Dyersville, 8 culverts and extensions, 1 I beam $7,100 (concrete figures $21.56.)

Wash., Ellensburg—Northern Pacific Ry., 5th and Jackson Sts., St. Paul, concrete and steel bridge, 100 ft. span, over Wilson Creek, here, to Widell Co., Mankato, Minn., (labor only.) $10,000; Owner to furnish materials, cost complete, $20,000. Noted May 11.

Dams

PROPOSED WORK

N. H., Bristol—Utilities Power Co., Meredith, plans rein.con. dam, (Ambursen type) 1,200 ft. long, 55 ft. high, also hydro-electric power plant, on Pemigewasett River, Ayers Island, between here and New Hampton. $1,000,000. Engineer not announced.

S. D., Rapid City—North Divide Irrigation Assn., plans concrete dam in Rapid River, at Rapid City, also terminal reservoir at Farmingdale to irrigate 35,000 acres. $500,000. Swartz & Spitzen, Rapid City, engrs.

BIDS DESIRED

Tex., Winters—Oct. 6, dam, incl., 173 cu.yd. concrete, 13,100 cu.yd. earth excav., 2,600 sy.yd. rip rap, 40 lin.ft. jetty. $300,000. U. Stephens, Ballinger; engr.

CONTRACTS AWARDED

Wis., Waubeka (Fredonia P. O.)—E. J. Klissig will build 280 ft. concrete dam, 10 ft. high, also improve mill race with new concrete flume, etc., incl. 100 cu.yd. concrete, by day labor. J. Donohue, 606 North 8th St., Sheboygan, engr.

Railways

PROPOSED WORK

British Columbia—Canadian Pacific Ry., Winnipeg, Man., and Great Northern Ry., King St. Sta., Seattle, Wash., plan 8 mi. branch line from Elko to Philips Bridge plant of Wigwam Pulp & Paper Co., $200,000. J. M. R. Fairbairn, Montreal, Que., ch. engr. of former. A. H. Hogeland, St. Paul, Minn., ch. engr. of latter.

CONTRACTS AWARDED

Massachusetts — See "Bridges" under South Boston.

New York—Transit Comn., 49 Lafayette St., New York, installing tracks for 239th St. Yard of White Plains Rapid Transit R.R. Co., to M. Del Balso, 660 West 221st St., New York, $211,229. Noted Sept. 21.

Excavation, Drainage, Irrigation

PROPOSED WORK

Mass., Westboro—Town Drainage Comn. plans draining and improving land of Assabet River Drainage Dist. $40,000. Private plans.

Miss., Darling—Squirrel Bayou D. D., Quitman Co., had plans prepared 9 mi. open ditches, 4-10 ft. base, to reclaim about 3,000 acres wet land, 80,000 cu.yd. excav. (walking dredge). Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs.

Ia., Centerville—See "Miscellaneous."

Calif., Oakland—Making plans improving 1 mi. harbor front, earth and rock fill, 1,000 ft. wide, 6,000 ft. long, dredging channels to 35 ft. depth, building 5 story docks, etc. R. Beebee, City Hall, harbor engr.

Calif., Woodland — Reclamation Dist. 1600, c/o E. A. Brown, secy., 1st Natl. Bank Bldg., Berkeley, had plans prepared raising levees, 256,530 cu.yd. earthwork, $38,479; relocating levee, 75,000 cu.yd. earthwork, $11,250, removing old levee 50,000 cu.yd., $7,500; overhaul and clean main and drainage canals $20,000; 20 lin.ft. 36 in. suction pipe with 4 ft. concrete pier, $500. G. E. Meck, Forum Bldg., Sacramento, engr.

BIDS DESIRED

Fla., Arcadia—Oct. 2, by Bd. Supervs. Limestone D. D., c/o Cravens & Kimmell, engrs., Arcadia, 91,000 cu.yd. excavation. Contractor also asked to buy one Bay City dredging machine now on ground.

Ia., Red Oak—Oct. 10 by Supervs. Montgomery Co. at office C. Nimrod, aud., 6 mi. open ditch D.D. 8, 242,000 cu.yd., excav.; 1 mi. D.D. 9, 72,000 cu.yd. C. D. Forsbeck, Red Oak, engr.

Neb., Hershey — Oct. 23, by Drainage Dist. No. 1, Lincoln Co., at office of W. A. Kelly, drain comr., Hershey, 22.8 mi. open drain ditches and 6 mi. tile drains; adv. this issue.

CONTRACTS AWARDED

N. J., Plainfield—Common Council about 46,000 cu.yd. excav. from old railroad embankment, to H. C. Howe, Sherman, N. Y., $0.395 per cu.yd. Noted Sept. 7.

Miss., Grenada—Potococowa Creek D.D., Carroll and Grenada Counties, floodway consisting of 2.27 mi. open channels, and 3.2 mi. of levee channels, 90 ft. base, incl. 391,500 cu.yd. drag line excav., to Hutchinson & Oakford, 712 Peoples Life Bldg., Peoria, Ill., $61,944. Noted Aug. 17.

Ia., Council Bluffs — Pottawattamie Co straightening Mosquito Creek and tributaries in D.D. 22, 15 mi. ditches, 507,500 cu.yd. excav., to E. A. Wickham & Co., 19 Scott St., $80,000.

Streets and Roads

PROPOSED WORK

New Hampshire—F. E. Everett, comr. State Hy. Dept., cancelled bids opened Sept. 13, constructing 1.5 mi. State Highway, 18 ft., in Rochester, crushed gravel. $25,000. Noted Sept. 7.

New Hampshire—State Hy. Dept., Concord, plans paving 0.038 mi. Project 147, rein.-con., Merrimac Co., $7,479; 0.68 mi. Project 153, bituminous macadam, Grafton Co., $20,000.

Massachusetts—State Hy. Dept., Boston, plans rein.-con. paving 5.247 mi. Project 92, Norfolk Co. $256,751. A. W. Dean, 413 State House, Boston, engr.

N. Y., Niagara Falls—Plans paving 802 ft. 8th St., 30 ft., granite, wood block, brick, asphalt or concrete. $25,100. Estimate based on granite or wood block. W. B. Bennett, city engr.

N. Y., Rochester—Plans paving Joseph Ave., asphalt. $33,000. C. A. Poole, city engr.

Pa., Scranton—Plans grading, paving and curbing South Webster Ave. from Lackawanna R.R. to Maple Ave., sheet asphalt on concrete, with concrete curbs. $29,619.

Pa., Wilkes-Barre—Plans grading, paving and curbing Dyer Lane, sheet asphalt with red stone curbing; Market St., Belgian block and sheet asphalt, brick gutters. $25,000. F. H. Gates, city clk.

Maryland — State Hy. Dept., Baltimore, plans concrete paving 1 mi. Project 84, Anne Arundel Co. $28,380. J. N. Mackall, chn.

Md., Baltimore—Plans grading, curbing and paving with sheet asphalt on 6 in. concrete, Kenoak Ave. from Old Pimlico Rd. to Cross Country Blvd., and Cross Country Blvd. from Kenoak to South Aves; cement concrete paving Morello Rd. from Ailsa to Strathmore Aves., Etta Vista Ave. from St. Helens to Strathmore Aves., St. Helens Ave. from Morello Rd. to Etta Vista Ave., Ailsa Ave. from Morello Rd. to 150 ft. east. R. K. Compton, 214 East Lexington St., chn. and ch. engr.

North Carolina — State Hy. Dept., Raleigh, rejected bids opened Aug. 30, grading and paving 7.57 mi. State Project 901, Buncombe Co. $180,000. Will readvertise. Noted Sept. 14.

North Carolina—State Hy. Dept., Raleigh, plans 18 ft. pavement through Red Springs and soil road from Hoke Co. line to northern limits of Red Springs, 2 mi. top soil and ½ mi. paving, State Project 391, Robeson Co., $26,000; 2.25 mi. macadam surface on causeway, 20 ft., State Project 352, New Hanover and Brunswick Counties, $32,000. C. M. Upham, state highway engr.

N. C., Ashboro—Sold $135,000 bonds for paving, laying sidewalks, etc.

N. C., Lumberton—Sold $200,000 bonds for paving, sewer and water improvements.

N. C., New Bern—Craven Co. plans 17-20 mi. road from Clark to Dover, shell rock. $240,000. D. W. Richardson, Dover, comr.

N. C., Raleigh — North Carolina State Hospital for Insane plans grading, curbing and paving 1.87 mi. driveways at hospital, here, asphalt on concrete, 16 ft. $60,000. G. F. Syme, Raleigh, engr.

Ind., Hammond—Lake Co. plans grading and gravel surfacing 39,000 ft. C. Oliver Holmes Rd., 16 ft. $74,500. R. Seely, Hammond, engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading and gravel surfacing 4½ mi. Assessment Dist. Rd. 348, Calhoun and Barry Counties. $6,000 to $7,000 per mile. F. F. Rogers, state highway comr.

Mich., Detroit—Plans paving with 3½ in. sheet asphalt on 8 in. concrete 6,700 sq.yd. Seminole Ave. from Harper to Auburn Aves., 26 ft., $23,430, 550 sq.yd. Indiana Ave. from Grand River to Fullerton Aves. 26 ft., $2,650, 13,400 sq.yd. Six Mile Rd. from Grand Trunk R.R. to Arlington Ave. 36 ft., $67,850, also 14 alleys with one course concrete, 15, 16, 17, 18 and 20 ft wide, totaling $45,375. J. W. Reid, city engr.

Ia., Bettendorf—Making plans and receives bids in spring 8,672 sq.yd. concrete paving, and 7,300 sq.yd. concrete or asphaltic concrete with combined curb and gutter. $55,000. A. F. Abramson, clk.

Streets and Roads (Continued)

Minnesota—State Hy. Dept., St. Paul, plans gravel surfacing 16.9 mi. Project 280 in Cass Co., $182,468; 8.56 mi. Project 287, Murray Co., $50,751; 12.24 mi. Project 294, Lesner Co., $171,025. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Kan., Kansas City—Wyandotte Co. takes bids about Oct. 17, paving and grading 1 mi. road and 2 mi. Golden Belt Highway, both 18 ft. waterbound macadam. O. K. Williamson, Court House, engr.

N. D., Fargo—Cass Co. rejected bids Aug. 25, gravel surfacing 18 mi. Red Trail Highway from Mapleton westerly. $30,000. W. R. Tucker, aud. Noted Aug. 17.

Missouri—State Hy. Dept., Jefferson City plans 6.586 mi. road from Kenneth to Paragould, 24 ft., Federal Aid Project 199, Dunklin Co., 17,834 cu.yd. earth excav., 9,123 cu.yd. borrow, 34,828 sq.yd. concrete pavement 27,048 sq.yd. specification A gravel pavement, 54.9 cu.yd. concrete masonry, etc.; 3.306 mi. road from Atchison Co. to Andrew Co. lines, 24 ft., State Aid Project 20.190, Holt Co., 32,475 cu.yd. earth excav., 3,374 cu.yd. borrow, 203.9 cu.yd. concrete masonry, 13,837 lb. reinforcing for concrete masonry, etc.; 6.015 mi. road from Chillicothe northwardly, 24 ft., State Aid Project 20.193, Livingston Co., 41,362 cu.yd. earth excav., 17,680 cu.yd. borrow 259.8 cu.yd. concrete masonry, etc.; 3.08 mi. Kings Highway from Portageville to Hayti, 24 ft., Federal Aid Project 173 A, Pemiscot Co., 5,052 cu. yd. earth excav., 9,538 cu.yd. borrow; 28,825 sq.yd. specification A gravel pavement, 15 ft. wide, 10 in. at center 8 in. at edges, 50.8 cu.yd. concrete masonry, etc.; 4.931 mi. road from Shannon to Ripley Counties, 24 ft., State Project R 42-Sect. 4, Ripley Co., 40,078 cu. yd. earth excav., 18,628 cu.yd. per 100 ft. overhaul, 239.1 cu.yd. concrete masonry, etc.; 4.886 mi. road from Houston to Phelps Co. line, 24 ft., State Project Route 7, Sect. 77, Texas Co., 19,482 cu.yd. earth and 1,320 cu.yd. rock excav., 381 cu.yd. borrow, 10,550 cu.yd. per 100 ft. overhaul, etc. B. H. Piepmeier, state highway engr.

Tex., Alpine—Brewster Co. voted $300,000 bonds to grade and gravel surface 80 mi. State Highway 12. Noted Aug. 31.

Tex., Bonham—Fannin Co. making plans grading and concrete paving 7.2 mi. State Highway 5 in Honey Grove Rd. Dist., 18 ft. $228,555. P. B. Price, Honey Grove, resident engr. Rd. Dist. 4. A. S. Godde, co. engr.

Tex., Decatur—Attorney Generals Dept., Austin, approved $150,000 bond issue for road improvements incl. Meridian Highway, in Wise Co. L. W. Taylor, co. engr.

Tex., Vernon—Wilbarger Co. making plans grading and surfacing 2.24 mi. State Highway 5 west from Oklaunion, 18 ft., 141.5 cu.yd. concrete and 13,739 lb. reinforcing in drainage structures, 1,200 lin.ft. concrete curbing, 12,514 cu.yd. earth excav., 24,176 sq.yd. concrete pavement, 72,938 lb. reinforcing, $88,625; grading and paving 5.69 State Highway 5, east and west of here, 18 ft., 2,400 lin.ft. concrete curbing, 6,732 cu.yd. roadway and 4,204 cu.yd. borrow excav., 49,056 sq.yd. concrete pavement, 65 sq.yd. concrete, 2,491 cu.yd. gravel, $176,755; 3.62 mi. State Highway 5 from 3 mi. east of Tolbert to Pease River, 18 ft., 32,909 cu.yd. earth excav., 38,255 sq.yd. concrete pavement, 116,860 lb. reinforcing, 189 cu.yd. concrete and 15,433 lb. reinforcing in drainage structures. $141,937. J. B. Nabors, co. engr.

Tex., Waco—McLennan Co. making plans grading, gravel surfacing with bituminous topping 3.7 mi. State Highway 7 east of McGregor, 16 ft. $33,465. M. Hannah, co. engr.

Nevada—State Hy. Dept., Carson City, plans gravel surfacing 10 mi. Project 55 and 11.9 mi. Project 56, Churchill Co., $109,733 and $246,606 respectively; concrete paving 1.43 mi. Project 59, Lyon Co., $60,153, 3 mi. Project 65, Washoe Co., $91,685. G. W. Borden, state highway engr.

Wash., Seattle — Rejected bids opened Sept. 8, paving 11th Ave., et al. $26,999. Will readvertise. J. D. Blackwell, Hoge Bldg., engr.

Calif., Bakersfield—Had plans prepared grading, paving, etc., California Ave., 164,980 sq.ft. grading, 121,628 sq.ft. grading and paving with 1½ in. Warrenite bitulithic on 4 in. asphaltic concrete, 8,826 sq.ft. concrete gutter, 2,349 lin.ft. concrete curb, etc. W. D. Clark, city engr.

Calif., Fresno—Had plans prepared grading, paving, etc., Ferger Ave. between Olive and Belmont Aves., 132,054 sq.ft. grading, 83,670 sq.ft. asphalt pavement, 9,194 sq.ft. concrete gutter, 3,785 lin.ft. concrete curb, 17,923 sq.ft. concrete sidewalks, etc.; Thorne Ave. between Hedges and Belmont Aves., 138,890 sq.ft. grading, 113,900 sq.ft. asphaltic pavement, 12,012 sq.ft. concrete gutter, 2,442 lin.ft. concrete curb, etc.; Mariposa St. between F and G Sts., 25,208 sq.ft. grading, 24,032 sq.ft. asphalt pavement, 1,129 sq.ft. concrete gutter. W. Stranahan, city engr.

Calif., Oakland — Alameda Co., making plans paving 6 mi. Livermore-Pleasanton Rd., probably concrete. G. Posey, co. surv.

Calif., Tracy—Had plans prepared grading and surfacing 4th and 6th Sts., 3,160 cu.yd. grading, 114,547 sq.ft. 1½ in. Topeka top, 4,815 lin.ft. combination curb and gutter, 4,934 ft. concrete shoulders, etc. W. D. Harrington, city engr.

Que., Montreal—Plans pavements on 592 ft. Annette St., 13 ft., $3,940, 3,180 ft. Casgrain St. 40 ft., $41,965, 1,990 ft. Regent St. 30 ft., $20,550, 3,120 ft. Dechateaubriand St. 30 ft., $38,257, 1,766 ft. St. Catharine St. 20 ft., $12,694, 1,930 ft. Des Erables St. 30 ft., $19,341, 1,153 ft. Bordeaux St., 31 ft., $11,323, 3,269 ft. St. James St. 50 ft., $43,378, 1,010 ft. Centre St. 45 ft., $15,330, 1,520 ft. Lacasse St. 24 ft., $13,865, 1,758 ft. Chambord St. 30 ft., $11,457; concrete sidewalks on 300 ft. Lacasse St. 6 ft., $1,760, 2,065 ft. Notre Dame St. 5 ft., $12,414, 732 ft. St. Zotique St. 10 ft., $7,870, 345 ft. Bellechasse St. 11 ft., $2,831, 1,389 ft. Christophe Colomb St., 6 ft., $7,634, 7,384 ft. DeLaRoche St. 15 ft., $25,938, 1,600 ft. 9th Ave. 5 ft. $5,060, 217 ft. Perras St. 5 ft., $2,294, 480 ft. Jeanne Mance St. 5 ft., $1,898, 232 ft. Pine Ave. 12 ft., $1,570, 1,990 ft. Regent St. 5 ft., $7,730, 1,964 Monk Blvd. 6 ft., $7,590, 241 ft. Florence St. 5 ft., $1,143, 860 ft. Belmore Ave. 5 ft., $2,772, 7,130 ft. 7th Ave. 5 ft., $29,778, 1,768 ft. Rosemount Blvd. 5 ft., $6,468, 1,758 ft. Chambrod St. 5 ft., $7,133, 2,009 ft. Old Orchard Ave. 5 ft., $8,870; cement slab sidewalks on 12,880 ft. St. Adele St. 4 ft., $10,549, 2,700 ft. Fabre St. 4 ft., $2,156, 275 ft. Denormandville St. from Civic 1693 to Beaubien St. 4 ft., $246, and 290 ft. from Beaubien St. southerly, 4 ft., $246, 475 ft. Chambord St. from Beaubien St. to Civic 1661, 4 ft., $393, and 1,668 ft. from Beaubien St. to Civic 1668, 4 ft., $293, 2,950 ft. Frontenac St. 4 ft., $2,387, 2,328 ft. Verville St. from Abraham to Dickson Sts. 4 ft., $1,940, and 4,650 ft. from 4 ft. Beaumont to Dickson Sts. 4 ft., $3,850, 5,932 ft. Stuart St. 4 ft. $14,774, 7,409 ft. Lanoraie Ave. 4 ft., $5,968, 2,844 ft. Ball St. 4 ft., $2,349, 478 ft. Stanley Park, 4 ft., $400, 790 ft. Real St. 4 ft., $631. H. A. Terreault, dir. pub. wks.

British Columbia—W. H. Sutherland, minister pub. wks., Victoria, takes bids early in spring, paving 7½ mi. Pacific Highway from international boundary towards Vancouver, 6 in. concrete. $300,000. P. Philip, Pub. Wks. Dept., Victoria, engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 4, by E. Riegelmann, boro pres., Boro Hall, repaving portion of roadway of Flatbush Ave. extension between Concord and Nassau Sts., roadway of Furman St. from Fulton St. to Atlantic Ave., roadway of South 9th St. from Kent to Wythe Aves., all foregoing grade 1 granite; roadway of Utica Ave. from Fulton to Bergen Sts., roadway of Neptune Ave. from West 36th St. to Warehouse Ave., both permanent asphalt.

N. Y., St. George—Oct. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving roadway of Washington Ave. from Richmond to South Aves. also roadway of Henderson Ave. from Pelton Ave. to Bway., bituminous concrete.

N. Y., Syracuse — Oct. 18 (change of date), by Bd. Contract & Supply, 4,960 sq. yd. Jasper St., 25 ft., $29,460; 5,790 sq.yd. Highland St., 27 ft., $34,860; 5,400 sq.yd. Teall Ave., 34 ft., $30,120; 6,130 sq.yd. Shuart Ave., 25 ft., $38,770; 11,550 sq.yd. Grand Ave., 25 ft., $60,930; 9,580 sq.yd. Cooleridge Ave., 25 ft., $56,080; 3,830 sq. yd. Merriman Ave., 25 ft., $23,210; 6,280 sq.yd. Kellog St., 25 ft., $43,210; 4,090 sq. yd. Castle St., 30 ft., $24,400; 10,840 sq.yd. Crouse Ave., 32 ft., $60,640; 7,880 sq.yd. Walnut Ave., 34 ft., $55,190. Bids will be received on asphalt, brick, bituminous concrete, Portland cement concrete, and stone and concrete curbs. N. L. Pitts, City Hall, engr. Noted Sept. 21.

N. J., Bridgeton—Oct. 3, constructing approximately 17,500 sq.yd. sheet asphalt on cement concrete on State Highway Route 6, Sect. 12-A, Shiloh Rd. and Broad St. Remington & Vosbury, city engrs.

N. J., Cranbury—Oct. 2, by Twp. Com., paving 1.6 mi. Dey Rd. from Cranbury-South River Rd. westward, 10,739 sq.yd. concrete and 4,260 cu.yd. gravel surface, pipe, etc.

N. J., Long Branch—Oct. 3, by Bd. City Comrs. paving Atlantic Ave. from Ocean Ave. to Liberty St., asphalt on concrete. J. W. Seaman, city engr.; adv. this issue.

Pennsylvania — Oct. 17, by State Hy. Dept., Harrisburg, reconstructing 30 mi. rein.-con., 18 mi. bituminous on concrete or rein.-con., and 1 mi. bituminous macadam pavement, also rein.-con. bridge. G. H. Biles, asst. highway comr.; adv. this issue.

Pa., Pittsburgh—Oct. 11, by Comrs. Allegheny Co., reconstructing 3,200 ft. Dravosburg Rd., 18 ft., asphaltic concrete. $30,000.

Virginia—Oct. 10, by H. G. Shirly, chn. State Hy. Com., Richmond, 2.48 mi. concrete roadway, Route 3, Project 170, 18 ft., Henry Co., 25,726 cu.yd. excav., 902 lin.ft. pipe, 8,926 cu.yd. concrete, 5,112 lb. reinforcing; 1.84 mi. concrete roadway, Route 18; Project S. 219, 12 ft. Halifax Co., 5,500 cu.yd. excav., etc.; 5 mi. bituminous macadam roadway, Route 3, Project 192 A 18 ft., Augusta Co., 39,548 cu.yd. excav., 175 cu.yd. concrete, 20,867 lb. reinforcing; 1.03 mi. bituminous macadam roadway, Route 11, Project 217 A, 18 ft., Dickenson Co., 8,071 cu.yd. excav.; 1.98 mi. bituminous surface treated macadam, 1.89 mi. Route 11, Project 256, 16 ft. Tazewell Co., 13,508 cu.yd. excav., 234 cu.yd. concrete; 0.99 mi. surface treated macadam, Route 21, Project 130, 12 ft., Fauquer Co., 3,845 cu.yd. excav.; 1.405 mi. surface treated macadam, Route 21, Project 203, 12 ft., Fauquer Co., 8,488 cu.yd. excav., 112 cu.yd. concrete, 7,240 lb. reinforcing. G. P. Coleman, highway comr.

N. C., Kenansville—Oct. 9, by Duplin Co. Highway Comn., topsoiling about 15 mi. road from Alum Springs to Cobbs School House. $45,000. L. A. Beasley, Kenansville, chn.

S. C., Charleston—Oct. 19, by Sanitary & Drainage Comn., 39 Broad St., improving 9.55 mi. sections of road between Tide Water Creek and Atlantic Coast line crossing near Meggetts, 62,190 cu.yd. common excav., 12,420 sq.yd. rein.-con. and 88,426 sq.yd. plain concrete surfacing, 807 lin.ft. rein.-con. pipe, 7,375 lb. reinforcing, etc.

S. C., Ridgeland—Oct. 11, by Jasper Co. Hy. Comn., improving 9.79 mi. Sect. of Columbia-Savannah Highway between here and Gillisonville, 45,893 cu.yd. common excav., 1,500 cu.yd. strippings, 24,094 cu. yd. sand clay or gravel surfacing, etc.

Fla., Dade City—Oct. 16 by Highlands Special Road and Bridge Dist., Pasco Co., 100 mi. road improvements. J. W. Turner, Lakeland, engr.

Fla., Jacksonville—Oct. 2, Comrs. Duval Co. constructing road bed in 2 mi. San Jose Blvd., 16 ft., 11,000 cu.yd. earth excav., 6,000 ton bituminous macadam, also creosoted wood bridge over Christopher Creek, etc. $25,000. G. B. Hills Co., Barnett Bldg., engrs.

Miss., Laurel—Oct. 9, by Mayor and Bd. Comrs. brick paving, gravel surfacing, etc. J. H. Pace, street comr.; adv. this issue.

Miss., Starkeville—Oct. 2, by Hy. Comrs. Special Dists. 1 and 4, Oktibbeha Co., constructing Sturgis-West Point, Maben and Bradley Rds. in Dist. 4, and Double Springs Rd. in Dist. 1. J. R. Lang, chancery clk.

Tennessee—Oct. 14, by State Hy. Dept., Nashville, grading and surfacing 2.21 mi. road from city limits to Belle Meade Road, Federal Aid Project 87, 24 ft., 2 in. bituminous concrete on 6 in. concrete. D. Q. McComb, ch. engr.

Tenn., Athens—Oct. 5, by F. Stephenson, city recdr., paving, etc., Jackson, Washington, Ingleside and Madison Sts., incl., 28,317 sq.yd. paving, 9,439 cu.yd. excav., 649 lin. ft. 12 in. pipe and trenching same, 3,000 lin.ft. 18 in. pipe, 175 cu.yd. concrete, 19,764 lin.ft. curb, etc. R. P. Knight, mayor.

Tenn., Coalmont—Oct. 16, by Grundy Co. Hy. Com., grading 5½ mi. highway from foot of mountain in Paynes cove to Franklin Co. line. J. B. Cochran, co. engr.

O., Columbus—Oct 3, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying water services and sewer connections and paving North St. from High St. to Neil Ave., 550 ft. long, 60 ft. wide, brick $8,402, asphalt $7,365. Pembroke Ave. from Eldridge to Parkwood Aves., 441 ft. long, 50 ft. wide, brick $5,166, asphalt $4,548. Dunedin Rd. from High St. to Indianola Ave., 2,378 ft. long, 60 ft. wide, brick, $74,886, asphalt $67,271. Morgan St. from Broad to Broderick Sts., 161 ft. long, 40 ft. wide, brick, $2,542, asphalt $2,202. Alley west of Linwood Ave. from Mound to Fulton Sts., 410 ft. long, 25 ft. wide, brick $3,382, concrete $2,694, alley west of Linwood Ave. from alley north of Fair to Madison Aves., 223.5 ft. long, 20 ft. wide, brick $2,434, concrete $1,738, 6,350 sq.yd. cement sidewalks on 18 streets, $17,417. R. H. Simpson, city engr.

O., West Park (Cleveland, P. O.)—Oct. 5, paving West 136th St., Kirton and Wakefield Aves., brick or asphalt. To exceed $25,000. J. Reitz, City Hall, engr.

O., Wickliffe—See "Waterworks."

Ind., Bloomfield—Oct. 3, by Comrs. Greene Co., gravel surfacing 12,500 ft. Pearl West Rd., 16 ft. $25,000. L. F. Parker, Bloomfield, engr.

Streets and Roads (Continued)

Ind., Indianapolis — Oct. 6, by Comrs. Marion Co., concrete paving 2.8 mi. English Rd., 26,895 sq.yd. concrete on concrete, 10,200 cu.yd. earth excav., 3,300 cu.yd. fill, 199 cu.yd. concrate for bridge. $83,638. J. J. Griffith, Courthouse, engr.

Ind., Laporte—Sept 30, by Comrs. Laporte Co., gravel surfacing 28,000 ft. Bear Rd. $57,188, 9,000 ft. Bell Rd. $26,000, 14,300 ft. Sellerr Rd. $32,489, all 16 ft. P. Summy, Laporte, engr.

Ind., Paoli—Oct. 2, by Comrs. Orange Co., paving 8,056 ft. Jerry Smith Rd., 18 ft., crushed stone. $26,000. A. Boyd, Paoli, engr.

Ind., Sullivan—Oct. 2, by Comrs. Sullivan Co., gravel surfacing 12,000 ft. W. T. Dix Rd., 16 ft., $33,323. W. L. Sisson, Sullivan, engr.

Ind., Warsaw—Oct. 2, by Comrs. Kosciusko Co., gravel surfacing 15,500 ft. Levi Fruit Rd., 16 ft. $29,752. S. S. Boggs, Warsaw, engr.

Ind., Winamac—Oct. 3, by Comrs. Pulaski Co., gravel surfacing 74,185 ft. Jacob Getz Rd., 16 ft., $50,000; 2.75 mi. Redline Rd., 18 ft., $29,000; 15,900 ft. Burns Rd., 16 ft., $28,000. R. E. Nutt, Winamac, engr.

Michigan—Oct. 5, by State Hy. Dept., Lansing, grading and surfacing 5.38 mi. State Trunk Line Rd. 18-13, Midland Co., 36,726 cu.yd. excav., 79.3 cu.yd. 1:2:4 concrete, 187.5 cu.yd. 1:3:6 concrete, 3,706 lb. reinforcing, etc. $40,000. Noted Sept. 21.

Michigan—Oct. 10, by State Hy. Dept., Lansing, grading and surfacing 1.064 mi. State Trunk Line Rd. 22-9, 20 ft. Grand Traverse Co., 4,097 cu.yd. excav., 11,490 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state highway comr.

Ia., Decorah—Oct. 3, by Auditor Winneshiek Co., grading 6.25 mi. Federal Aid Project 98, Sect. C, from here toward Calmar, 109,536 cu.yd. earth, 693 cu.yd. loose rock and 2,770 cu.yd. solid rock excav., $26,000; Primary Rd. Project 121, Sect. F, from Calmar north toward here, 23,798 cu.yd. excav., 12,234 lin.ft. 6 in. tile, etc., $7,000. F. W. Arneson, Decorah, engr.

Minn., Duluth—Jan. 7, by F. W. Borgen, aud. St. Louis Co., concrete paving on crushed rock, 2 mi. road between Eveleth and Gilbert, to form connecting link of Trunk Highway and State Rd. 3. $80,000. R. W. Acton, co. engr.

S. D., Sioux Falls—Oct. 2, paving 12,199 sq.yd. 8th St. from Weber to Cliff Aves., portland cement, bituminous concrete, or sheet asphalt; curbing 10 blocks 8th St. from Weber to Asylum Aves., and from 2nd Ave. to tracks. $32,000. W. C. Leyse, city aud.

Mo., St. Louis—Oct. 3, by Bd. Pub. Serv., 208 City Hall, recutting old granite block, supplying additional granite block and paving same with cement grout filler on 5,000 ft. Bway. from Chippewa to Arsenal Sts. $95,000. W. M. Horner, 300 City Hall, engr.

Mo., St. Louis—Oct. 24, by Bd. Pub. Serv., 208 City Hall, recutting old granite block, supplying additional granite block and paving same with cement grout filler on 2,300 ft. Easton Ave. from Kingshighway to Marcus Ave. $30,000. W. M. Horner, 300 City Hall, engr.

Tex., Bonham—Oct. 9, Comrs. Fannin Co. grading, gravel surfacing, etc., certain roads in Dist. 4, 62,174 cu.yd. earth, 861 cu.yd. borrow, 7,750 cu.yd. overhaul, 160 cu.yd. solid and 680 cu.yd. loose rock excav., 322 lin.ft. 18-48 in. corrugated iron pipe, 65,214 lb. reinforcing and 191,000 lb. structural steel, 36,478 gal. bituminous material, 2,000 cu.yd. concrete, 350,000 cu.yd. hauling road material. A. J. Goode, Bonham, engr.

Tex., Dallas—Oct. 5, by A. C. Allen, judge Dallas Co., grading, surfacing, etc., 14.12 mi. State Highway 6, Lancaster Pike, 4,185 lin.ft. combined concrete curb and gutter, 89,430 cu.yd. roadway, 20,918 cu.yd. borrow, 4,200 cu.yd. solid and 1,200 cu.yd. loose rock excav., 161,854 sq.yd. 2 in. bituminous macadam, 1,682.4 cu.yd. concrete, 40,016 cu.yd. native stone, 27,394 cu.yd. crushed stone, 159,180 lb. reinforcing and 66,778 lb. structural steel. $574,060. Nagle-Witt-Rollins Eng. Co., Courthouse, dist. engrs.

Tex., Georgetown—Oct. 10, by F. D. Love, judge, Williamson Co., surfacing road already graded, 11.5 mi. State Highway 2-C between here and Travis Co. line, 108,317 sq.yd. bituminous macadam, alternate bids on ¾ in. or 1 in. native limestone rock asphalt or 1 in. and 1½ in. inverted penetration asphalt topping. $50,000. R. A. Nichols, co. engr.

Tex., Huntsville—Oct. 3, by Mayor, paving various main streets, 4,000 lin.ft. curbing, 2,500 cu.yd. earth excav., 9,500 sq.yd. concrete or rock asphalt on concrete. $30,000. H. O. Leigh, city secy.

Tex., Orange—Oct. 9, by E. S. McCarver, judge Orange Co., grading and surfacing 7.3 mi. Mauriceville Rd., 16 ft. 230 cu.yd. concrete, 10,000 cu.yd. earth excav., 16,733 lb. reinforcing, 15,000 cu.yd. surfacing, $46,500; 4.25 mi. Lower Beaumont Rd., 14 and 18 ft., 6,200 cu.yd. earth excav., 110 cu.yd. concrete, 6,656 lb. reinforcing, 7,400 cu.yd. gravel or shell surfacing, $26,000; 2 mi. Oil Field Rd., 18 ft., 12,000 cu.yd. earth excav., 21,120 sq.yd. concrete, $62,500. J. E. Johnson, co. engr.

Utah, Salt Lake City—Oct. 4, by City Comrs., 54,000 ft. concrete curb and gutter Capitol Hill Dist. $153,000. S. Q. Cannon, city engr.

California—Oct. 16, by State Hy. Comn., Sacramento, grading and gravel surfacing 13.5 mi. Sneath Rd. and Half Moon Bay Rd. A. B. Fletcher, state highway engr.

Calif., Santa Rosa—Oct. 11 by Supervs. Sonoma Co., grading and asphalt surfacing 3.05 mi. Petaluma-Sonoma Highway, Sect. B, 9,000 cu.yd. unclassified excav., 2,680 cu.yd. crushed rock, 32,166 sq.yd. asphaltic surfacing, etc. R. P. Smith, Santa Rosa, engr.

Calif., Stockton—Oct. 3, by Supervs. San Joaquin Co., 1.5 mi. Thomas Rd., 2350 cu. yd. grading, 3,050 ton road gravel, 1,030 ton crushed rock top course, 480 ton dressing for oil, 400 bbl. asphaltic oil; 1.5 mi. Jack Tone Rd., 3,000 cu.yd. grading, 3,800 ton road gravel; 2.5 mi. Kettleman Rd. and Quimby Ave., 2,600 cu.yd. grading, 5,330 ton gravel, 1,820 ton crushed rock top course, 850 ton dressing for oil, 700 bbl. asphaltic oil; 3.04 mi. Brackharshner Rd., 3,500 cu.yd. grading, 4,900 ton road gravel, 1,660 ton crushed rock top course, 770 ton dressing for oil, 510 bbl. asphaltic oil, 34.27 cu.yd. rein.-con. for culverts; 4 mi. Peters Rd., 5,700 cu.yd. grading, 7,750 ton road gravel; 3.39 mi. Willow Glen Rd., 4,200 cu.yd. grading 5,200 ton macadam rock; 2 mi. Mt. Diablo Ave., 1,740 cu.yd. grading, 2,920 ton crushed rock base, 1,170 ton crushed rock top course, 590 ton dressing for oil, 480 bbl. asphaltic oil. F. E. Quail, co. surv.

Calif., Tracy—Oct. 5, by city Trustees, grading, paving, etc., Roosevelt, Taft, Windeler, West 6th, 9th and 10th Sts., 5,705 cu.yd. grading, 226,558 sq.ft. 4 in. gravel base with 2 in. asphaltic macadam top, 13,755 lin.ft. concrete curb and gutter, 3,350 lin.ft. 4 in. w.i. mains, 620 ft. of 6 in. vitr. sewer pipe, etc. $66,000. W. D. Harrington, city engr

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids Sept. 20, improving (1) 8.91 mi. Highway 8135 Wawbeek-Lake Clear Jct., Part 1, Franklin Co., engrs. est. $283,225 (2) 0.99 mi. Highways 1651-5683 Mt. Morris Village: Main St. also Chapel and Main Sts., Livingston Co., engrs. est. $93,022 (3) 3.47 mi. Highway 1650, Pompey-Fabius, Onondaga Co., engrs. est. $117,040 (4) 1.74 mi. Highway 5686, Schuyler Lake-Cooperstown, Otsego Co., engrs. est. $70,463 (5) 1.48 mi. Highway 5682 New Jersey State Line-Nyack, Part 4, Rockland Co., engrs. est. $57,666 (6) 4.08 mi. Highway 8136 New Jersey State Line-Nyack, Part 3, Rockland Co., engrs. est. $167,573, reconstructing (7) 0.54 mi. Repair Contr. 3028 Highway 208, Cortland Co., engrs. est. $19,613 (8) 4.7 mi. Repair Contr. 3027 Highways 254 and 255, Monroe Co., engrs. est. $146,112 (9) 2.23 mi. Repair Contr. 3023 Highways 188 and 5576, Ontario Co., engrs. est. $74,723, from

J. A. Laporte, 9 St. Josephs Terrace, Albany, (1) $247,832.

C. J. Burgess Co., Marcy, (1) $254,830.

Bricon Constr. Co., Inc., Buffalo (street address not available) (1) $262,974.

Rochester Foundation Co., Inc., Rochester (street address not available) (2) $85,837.

A. Yesu & Son, 27 Carroll St., Binghamton, (2) $90,655.

H. C. Schroeder, 416 Merchantile Bldg., Rochester, (2) $91,838 (9) $73,853.

Lane Constr. Corp., 37 Colony St., Meriden, Conn., (3) $105,632.

Mondo Constr. Co., Inc., City Bank Bldg., Syracuse, (3) $108,345.

C. D. Murray, 701 Westcott St., Syracuse, (3) $109,185.

Morrell Vrooman, Inc., Gloversville, (4) $67,625.

Guile & Ellsworth, New Berlin (street address not available) (4) $68,367.

O'Day & Ambrose, Binghamton (street address not available) (4) $68,968.

C. Vanderbilt Genl. Contg. Co., Inc., 24 Elizabeth St., West New Brighton, (5) $54,727 (6) $162,644.

D. Schoentag, Inc., John St., Saugerties, (5) $56,711 (6) $165,723.

Ludke Bros., 33 Hockeborn Ave., Auburn, (7) $19,435.

F. W. and J. J. Crouch, 84 Bronson Ave., Rochester, (8) $131,452.

Wieberg Bros., R.F.D., Forks, (8) $133,-130.

M. H. Ripton, Rochester (street address not available) (8) $135,082.

M. C. Soper, 82 Cayuga St., Seneca Falls, (9) $74,438. Noted Sept. 7.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Sept. 25, grading, flagging and curbing (1) East 37th St., (2) 82nd St., repaving (3) Navy St., (4) Nassau Ave., (5) Wallabout St., (6) 23rd St., from F. Persicano, 350 Fulton St., (1) $1,550; T. B. Scott, 671 Halsey St., (1) $1,598, (2) $1,65; C. Gallagher, 745 Dean St., (1) $1,654, (2) $1,683, (3) $8,071, (4) $40,053, (5) $34,164, (6) $21,323; Grimm Constr. Co., 170 McKinley St., (2) $1,683; L. Mangieri, 190 31st St., (2) $1,694; Greico Bros., 172 Russell St., (3) $8,729, (4) $40,293, (5) $34,842; Necaro Co., 97 Court St., (4) $42,827, (5) $37,480, (6) $22,217; M. J. O'Hara, 557 3rd St., (6) $21,022. Noted Sept. 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Sept. 25, widening and repaving (1) 57th St., (2) 25th St., (3) 26th St., (4) 20th St., (5) 30th St., etc., from P. J. Kearns Contg. Co., 2306 Creston Ave., (1) $18,539, (2) $15,418, (3) $14,617, (4) $29,211; Sicilian Asphalt Paving Co., 41 Park Row, (2) $16,022, (3) $16,205, (5) $14,682; Regan Towers Co., 124 West 121st St., (4) $30,540; Brusstar Constr. Co., Harlem River and 150th St., (5) $14,080; Asphalt Constr. Co., 208 Bway., (5) $14,449. Noted Sept. 21.

O., Shaker Heights (Cleveland, P. O.)—Paving East 161st and East 163rd Sts., South Morland Blvd. from Lee Rd. to Fernway Ave., and South Morland Blvd. from Onaway Ave. to Lee Rd., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $297,982; A. M. Pejsa, Euclid Heights Blvd., Cleveland Heights, $333,409.

O., West Park (Cleveland P. O.)—Opened bids Sept. 13, paving with (a) asphalt, (b) brick, (1) Nichols Ave., (2) West 120th St. from Lorain to Cloverdale Aves., (3) West 125th St. from Linnett to Thrush Aves., (4) West 135th St. from Lorain to Cross Aves., (5) Lucille Ave., (6) Williams Ave., (7) West 123rd St. from Lorain Ave. to Triskett Rd. (1-7 inclusive), involve 11,920 cu.yd. excav., 229,442 sq.ft. brick on 6 in. concrete, 26,138 sq.yd. asphalt and 18,346 lin.ft. stone curb, (8) West 128th St., (9) West 123rd St. from Linnett Ave. to West 122nd St., (10) West 122nd St., (11) West 139th St. (8-11 inclusive) involve 7,110 cu.yd. excav., 135,140 sq.ft. concrete base, 135,140 sq.ft. brick or 14,621 sq.yd. asphalt and 10,434 lin.ft. stone curb, (12) West 126th St., (13) West 119th St., (14) West 125th St., from Lorain Ave. to Triskett Rd., (15) West 125th St. from Lorain to Linnett Aves. (12-15 inclusive) involve 5,080 cu.yd. excav., 95,650 sq.ft. 6 in. concrete base, 95,650 sq.ft. brick or 10,650 sq.yd. sheet asphalt and 7,960 lin.ft. stone curb, (16) Elsienna Ave., (17) West 123rd St. from Lorain to Triskett Aves., (18) West 129th St., (19) West 120th St. from Linnett to Thrust Aves., (20) West Park Rd. (16-20 inclusive) involve 10,010 cu.yd. excav., 211,848 sq.ft. brick on 6 in. concrete or 23,539 sq.yd. asphalt and 16,402 lin.ft. stone curb, from

W. McHugh Co., c/o Pavers Exch., Society for Savings Bldg., Cleveland, (1a) $29,475, (3a) $11,119, (5a) $17,580, (6a) $14,647, (8a) $19,727, (8b) $26,681, (9a) $8,474, (9b) $11,462, (10a) $12,089, (10b) $14,718, (11a) 21,830, (11b) $29,715, (12a) $12,365, (13a) $4,376, (13b) $5,969, (14a) $15,630, (14b) $23,174, (15b) $19,414, (16a) $14,685, (17a) $15,083, (18a) $18,254, (19a) $11,783, (20a) $36,815.

Baldwin Bros., 4500 Euclid Ave., Cleveland, (1b) $33,286, (8b) $25,166, (14b) $21,885, (18b) $23,360.

Roehl Bros., West 25th St. and Clark Ave., Cleveland, (2b) $23,173, (10b) $13,177, (20b) $47,780.

Highway Constr. Co., Elyria, (4a) $18,278, (7a) $15,878, (12a) $13,289, (13a) $4,865, (15a) $15,097, (18a) $19,191.

General Asphalt Paving Co., Marshall Bldg., Cleveland, (8a) $21,474, (9a) $9,177, (10a) $12,916, (11a) $23,973, (15a) $15,123.

Fischer & Williams, (9b) $12,122.

Freshwater Constr. Co., Natl. Bldg., Cleveland, (11b) $29,461, (13b) $6,022, (14a) $18,069, (19b) $24,812.

Garland Bros., Pavers Exch., Society for Savings Bldg., Cleveland, (16a) $15,828, (17a) $16,598, (19a) $11,865. Noted Sept. 7.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.855 mi. State Trunk Line Rd. 32-4, Sect. D, Montmorency Co., incl. 31,475 cu.yd. excav., 17,412 sq.yd. gravel, from Louks & Fenton, Whittemore, $27,316; Cadwell & Sons, Boyne City, $27,534; G. A. Leszczynski, Harbor Beach, $28,765.

Streets and Roads (Continued)

Michigan—State Hy Dept., Lansing, opened bids Sept. 20, grading and surfacing 4472 mi. State Trunk Line Rd., 39-3, Ionia Co., incl. 1,750 cu.yd. excav., 41,909 sq.yd. gravel, from A. E. Chase & Son, St. Johns, $29,911; Saginaw Constr. Co., Saginaw, (street address not available), $32,-287; Fonty, Stockey & Wolcott, Delta, O., $38,146. Noted Sept. 14.

Minnesota—State Hy. Dept., St. Paul, opened bids Sept. 15, grading State Project 2-99, 192,682 cu.yd. excav., Benson, Swift Co., from Kremer & Hog, 1727 LaSalle Ave., Minneapolis, $40,339, S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $40,859, Barnard & Curtiss, 613 Globe Bldg., Minneapolis, $42,020.

Tex., Coleman — Coleman Co. grading, gravel surfacing, etc., 10.58 mi. Highway 7, Federal Aid Project 303, incl. 44.9 acres clearing, 49,678 cu.yd. borrow, 21,670 cu. yd. roadway, 4,007 cu.yd. loose and 4,295 cu.yd. solid rock excav., 1,687.4 cu.yd. concrete, 187,050 lb. reinforcing, from Scarbrough & Davis, 100 Gaston Bldg., Dallas, $85,848; Wear & Thomas, Rogers, $86,842; F. P. Holt, Austin, (street address not available) grading and surfacing only, $46,924. Engrs. est. $87,477.

Tex., Mason—Mason Co. grading and gravel surfacing 14.25 mi. State Highway 9, Federal Aid Project 293, 18 ft., from F. P. Holt, Austin, $76,096; Kuykendall & Shelton, Temple, $82,038; R. G. Buckner & Sons, McDade, $82,758. Noted Sept. 7.

Utah, Salt Lake City — Salt Lake Co. Comn., hardsurfacing 2.2 mi. 48th St. south from 9th St. east to Holiday Rd., (1) bitulithic, (2) concrete, (3) tarvia, from Moran Paving Co., Felt Bldg., (1) $49,603; Gibbons & Reed, Keams Bldg., (1) $51,104, (3) $43,732; Campbell Paving Co., Newhouse Bldg., (1) $52,446, (2) $59,238, (3) $43,782; Strange & Uallandingham, Utah Savings and Trust Bldg., (2) $59,945; Gilkerson Constr. Co., Ness Bldg., (2) $62,-286; E. Smith, Keams Bldg., (3) $46,295. Noted Aug. 31.

Wash., Seattle—Opened bids Sept. 15, improving Alki Ave., (a) 35,800 sq.yd. concrete, (b) 3,000 lin.ft. asphaltic, (c) 7250 lin.ft. concrete, (d) 5,500 lin.ft. integral curbing, (e) 3,700 lin.ft. concrete sidewalk, (f) 1,400 cu.yd. earth excav., (g) 7,000 cu.yd. subgrade, from R. G. Stevenson, 1327 Northlake Ave., (a) $1.75, (b) $0.70, (c) $0.35, (d) $0.35, (e) $1.40, (f) $0.65, (g) $0.65, total $121,456, J. L. Smith, Pioneer Bldg., (a) $1.75, (b) $0.70, (c) $0.45, (d) $0.25, (e) $1.40, (f) $0.55, (g) $0.40, total $122,327, D. H. Traphagen, Walker Bldg., (a) $1.80, (b) $0.65, (c) $0.27, (d) $0.30, (e) $1.40, (f) $0.50, (g) $0.20 total $123,390, engrs. est. $120,216; paving Taylor Ave., and changing street car track, (a) 1,800 sq.yd. 7 in. asphalt, (b) 1,700 sq.yd. sandstone, from V. Ramaglia, 4415 Corliss Ave., (a) $2, (b) $2.50, etc., total $36,694; J. L. Smith, Pioneer Bldg., (a) $2, (b) $2.50, etc., total $38,480, engrs est $37,295.

Calif., San Francisco—Improving Collingwood St. between 21st and 22nd Sts., (a) constructing rein.-con. retaining and step support walls, stairways, landing coping, drains, gutters, curb armored offsets (b) 625 ft. 12 in. vitr. sewer (c) 110 ft. 8 in. (d) 250 ft. 6 in. (e) 110 ft. 10 in. pipe culverts (f) 23,500 cu.yd. cut, from Eaton & Smith, 407 11th St., (a) $25,000 (b) $3.50 (c) $3.50 (d) $3 (e) $2 (f) $1.30, total $70,700; Schultz Constr. Co., 46 Kearney St., (a $30,000 (b) $4.20 (c) $3.80 (d) $2.75 (e) $3.30 (f) $1.58, total $84,233.

Que., Montreal — R. Bauset, city clk., opened bids paving Greene Ave. from St. Ambroise to St. James Sts., incl. 5,150 sq. yd. 3 in. sheet asphalt, from Sicily Asphaltum Paving Co., 60 St. Viateur St., $27,965; Quinlan, Robertson & Janin Co., 52 Duluth Bldg., $27,990; B. Brault Ltd., 2855 Rosemount Blvd., $30,653.

Que., Montreal—Opened bids asphalt pavements on (1) 4,080 sq.yd. of 3 in. Cartier St. from Demontigny to Lafontaine St. (2) 3.640 sq.yd. of 2 in. St. Valier St. from Belanger to St. Zotique Sts. (3) 3,100 sq.yd. of 2 in. Bericourt St. from Hadley St. to Monk Blvd. (4) 8,600 sq.yd. Hadley St. from Church Ave. to Dubois St. (5) 2,650 sq.yd. of 2 in. Sheppard St. from Hochelaga to Amity Sts. (6) 8,400 sq.yd. of 3 in. Rouen St. from Frontenac St. to Canadian Pacific Ry., concrete sidewalks on (7) 2,500 sq.yd. Rosemount Blvd. from 1st Ave. to Cote St. Michel Rd., 5 ft. (8) 1,100 sq.yd. Clarke St. from Mozart to Atlantic Sts., 5 ft. (9) 4,100 sq.yd. Omer St. from Notre Dame to Dubuisson Sts. 5 ft. (10) 3,081 sq.yd. Maplewood Ave. from Northmount to Decelles Sts., 4 ft. (11) 2,400 sq. yd. Beaubien St. from De la Roche St. to Papineau Ave., 6 ft. (12) 980 sq.yd. Drolet St. from Faillon to Francois Coppee Sts., 6 ft. (13) 1,084 sq.yd. Jarry St. from Boyer to Lajeunesse Sts., 5 ft., from B. Brault Ltd., 2855 Rosemount Blvd., (1) $19,222 (2) $17,091 (3) $17,014 (4) $41,997 (5) $11,-523 (6) $46,814; Quinlan, Robertson & Janin Ltd., 52 Duluth Bldg., (1) $19,272 (3) $16,564 (4) $39,500 (6) $47,667; Sicily Asphaltum Paving Co., 60 St. Viateur St., (2) $17,660; F. Lapan, 601 Lacordaire St., (7) $10,268 (8) $5,995 (9) $18,314; Duranceau & Duranceau, 152 Hamilton Ave., (7) $11,220 (8) $5,790 (10) $15,365 (11) $10,-560; Rondou, Corlier & Co., 3506 Christophe Colomb St., (12) $5,121 (13) $6,762.

CONTRACTS AWARDED

N. Y., New York—H. Bruckner, pres. Bronx Boro, to Asphalt Constr. Co., 2197 Madison Ave., paving West 230th St. $11,-050, Hornaday Pl. $6,021, grading, curbing and laying sidewalks, etc., Whitlock Ave. from Southern Blvd. to bridge over Port Morris branch of New York Central R.R. $9,530; to Casper Helbock, 633 Wales Ave., grading, etc. Seymour Ave. $19,866; to M. Del Balso, 660 West 221st St., Whitlock Ave. from East 148th St. to Leggett Ave. $19,344. Noted Sept. 21.

N. Y., Richmond Hill—Dept. Parks, Municipal Bldg., New York, improving main drive in Forest Park, here, to H. E. Kordes, 2577 Cooper St., Brooklyn, $72,931. Noted Sept. 14.

N. J., Somerville—Somerset Co. paving 2 mi. New Brunswick-Millstone Rd., concrete, to Utility Constr. Co., 5 Spring St., New Brunswick, $79,909.

Pa., Phila.—To Eastern Paving Co., Colonial Trust Bldg., paving Lebanon Ave., Ardleigh and Stafford Sts., $26,020, Torresdale Ave. from Lewis to Kinsey Sts., $29,082, Torresdale Ave. from Gillingham to Kennedy Sts., $37,773; to United Paving Co., Colonial Trust Bldg., Lebanon Ave., $21,720; to J. J. Hughes, 1716 Race St., Rising Sun Ave., $116,850. Noted Sept. 14.

W. Va., Charleston—To Andrews Asphalt Paving Co., 717 Rentschler Bldg., Hamilton, O., paving with oil asphalt 1 mi. Goshorn St. and Piedmont Rd., 32 ft., $26,025, 0.9 mi. Greenbrier, Randolph and Madison Sts., 32 ft., $25,834, paving with Trinidad and oil asphalt 0.6 mi. California and Glenwood Aves., Wyoming, 7th and Elm Sts., 32 ft., $18,712; to G. T. Fogle & Co., Charleston, (street address not available), paving with oil asphalt 0.4 mi. 2nd Ave., 24 ft., $8,669, 0.8 mi. Virginia St., 32 ft., $34,089.

W. Va., Welch—McDowell Co. surfacing with rock asphalt Project 2166, to W. Sudduth, Bluefield, $219,725; 5½ mi. Project 2168, to Albert Bros., Charlottesville, Va., $203,400. Noted May 25.

North Carolina—State Hy. Dept., Raleigh, asphaltic concrete surfacing 7.85 mi. State Project 608, Anson Co., to R. M. Hudson Co., Salisbury, $76,177; grading, clearing and asphalt paving 10.47 mi. State Project 822, Cleveland, Co., to Elliott & Sons, Spartanburg, S. C., $329,882; grading, asphaltic paving and retaining walls on 7.85 mi. State Project 608, Anson Co., to Lampton & Burks, Cornelius, S. C., $244,-773; grading, reconstructing base course and 5 in. concrete base and 2 in. asphalt paving on 3.88 mi. State Project 615 Cabarrus Co., to Thompson-Caldwell Constr. Co., Mooresville, $89,765; grading and asphaltic paving 9.87 mi. State Project 460, Orange Co., to R. M. Hudson Co., Salisburg, $269,850; grading, asphaltic paving, rein.-con. bridges and culverts on 9.55 mi. State Project 658, Mecklenburg Co., to Union Paving Co., 30th and Locust Sts., Phila., $242,508; grading and plain concrete paving 7.03 mi. State Project 328, Columbus Co., to L. L. Tindall, Waterford, Wis., $199,429, 2.52 mi. State Project 785, Wilkes Co., to D. J. Brookshire & Co., North Wilkesboro, $71549 10.24 mi. State Project 528, Davidson Co., to Hagedorn Constr. Co., Thomasville, $322,804, 9.81 mi. State Project 589, Rockingham Co., to Chitwood & Driscoll, Reidsville, $295,432, 4.83 mi. State Project 876, Rutherford Co., to Fiske-Carter Constr. Co., Masonic Temple Bldg., Greenville, $132,968, 3.4 mi. State Project 765, Surry Co., to Campbell Constr. Co., Georgia Home Bldg., Columbus, Ga., $102,-442; grading, plain concrete paving, rein.-con. bridges and culverts on 7.14 mi. State Project 184, Pitt Co., to Pub. Service Production Co., Terminal Bldg., Newark, N. J., $187,742, 1.58 mi. State Project 821, Cleveland Co., to Davis-Wilcox Constr. Co., Bessemer City, $54,720, 8.8 mi. State Project 412, Durham Co., to L. L. Tindall, Waterford, Wis., $229,621 2.1 mi. State Project 590, Rockingham Co. and 2.22 mi. State Project 761, Surry Co., to G. R. Martin, Salisbury, $60,084 and $70,304 respectively; grading, clearing and waterbound macadam paving 8.98 mi. State Project 380, Pender Co., to C. W. Lacy, Wilmington, $147,466; grading, clearing and gravel surfacing 11.06 mi. State Project 712, Ashe Co., to J. T. Plott, Greensboro, $98,392; grading, topsoiling and Class "B" concrete on 15.8 mi. State Project 882, Rutherford Co., to C. R. Willard & Son, Spartanburg, S. C., $68,825, 12.41 mi. State Project 157 A, Martin Co., to Jamison Bros., High Point, $13,852; grading, topsoiling and retaining walls, 4.97 mi. State Project 784, Wilkes Co., clearing, grading and topsoiling 7.12 mi. State Project 106, Bertie Co., also grading, draining, clearing, topsoiling, and Class "B" concrete on 12.36 mi. State Project 157 B, Martin Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $48,614, $32,-061 and $44,333 respectively. Noted Sept. 14.

S. C., Charleston—Sanitary and Drainage—Comrs. Charleston Co., surfacing 2.17 mi. road between Navy Yard and port terminals, incl. 5,564 cu.yd. common excav., 20,374 sq.yd. concrete surfacing, to Poe Constr. Co., Greenville, $53,121. Noted Aug. 17.

Tenn., Livingston—Paving various streets, waterbound macadam, to B. Williams, Murfreesboro, $25,000.

Ky., Henderson—Comr. Pub. Wks. and Property, improving 5,315 ft. 2nd St., to Indiana Constr. Co., Kokomo, Ind., $58,912. Noted Aug. 10.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading 3.96 mi. Sects. "D-2" and "E" Alliance-Minerva Rd., Stark Co., and 2.093 mi. Sect. "E" Canton-Canal Dover Rd., Tuscarawas Co., to F. J. Mann & Sons, Ashland, $27,852 and $19,783 respectively; 3 mi. Sect. "A" Canton-Canal Dover Rd., and 2.229 mi. Sect. "B" Canton-Canal Dover Rd., both Tuscarawas Co., to C. G. Fuller, Canal Dover, $18,237 and $17,831 respectively; 1.187 mi. Sect.: "C" Stryker-Evansport Rd., Williams Co., to E. E. Manley, Mt. Pelier, $14,879; 2.58 mi. Sect. "D" Stryker-Evansport Rd., Williams Co., to J. Carey, Archibold, $4,065; reconstructing bridge on Sect. "K" Jackson-Pomeroy Rd., to P. C. Adams, Jackson Co., $4,039. Noted Sept. 21.

O., Cleveland—Paving driveways in Highland Park Cemetery, 2 course concrete, to Garland Bros., Pavers Exch, Society for Savings Bldg., $47,123. Noted Sept. 21.

O., Cleveland — Cuyahoga Co., Court House, paving Detroit Rd. 4, to Enterprise Paving & Constr. Co., 8444 Bway., $110,227. Engrs. est. $132,178. Noted Sept. 21.

O., Cleveland — Cuyahoga Co., Court House, paving S.O.M. Center Rds., 3 and 4, 13,300 cu.yd. excav., 13,040 ft. 5 x 20 ft. stone curb, 10,490 lin.ft. 4 in. vitr. sewer pipe, to Freshwater Constr. Co., Natl. Bldg., $323,086. Engrs. est. $324,724. Noted Sept. 7.

O., Youngstown—Paving Pointview Ave. also Neilson Ave., from Powers Way to Pointview Ave., asphalt, to Kelley & Meyer, South Side Bank Bldg., $20,472 and $27,218 respectively; Lafayette St. and Salt Springs Rd., asphalt, to L. Tiberio, 1 Ellenwood Ave., $16,840 and $7,033 respectively.

Ind., Albion—Noble Co., gravel surfacing 11.4 mi. Krieger Rd., 24 ft., and 5.2 mi. A. J. Rich Rd., 18 ft., to Baker, Agerter & Thompson, Indianapolis (street address not available), $105,473 and $47,551 respectively. Engrs. est. $114,533 and $55,523. Noted Aug. 24.

Ind., Hammond—Lake Co., crushed stone and gravel surfacing 14,530 ft. Leo Bixeman Rd., 16 ft., to See Teaming & Supply Co., Hammond, $27,400. Archts. est. $36,-814. Noted Sept. 14.

Ind., New Albany—Floyd Co., gravel surfacing 31,287 ft. Elizabeth and New Albany Ridge Rd., 16 ft., to J. E. Hodgins, 6th and Jefferson Sts., Louisville, Ky., $59,-975. Engrs. est. $55,000. Noted Aug. 24.

Ind., Spencer—Owen Co., surfacing County Line Rd., crushed stone, to P. Rauff & Burch, Paragon, $28,426. Engrs. est. $31,000.

Mich., Detroit—To R. J. Powelson, 6415 Iroquois Ave., paving with one course concrete 1,400 sq.yd. Alley 1567, 16 ft., $4,201, 660 sq.yd. Alley 1575, 18 ft., $1,986, 430 sq.yd. Alley 1576, 18 ft., $1,291; to Otis Cement Constr. Co., 806 Hammond Bldg., 700 sq.yd. Alley 1570, 18 ft., $2,130, 1,290 sq.yd. Alley 1574, 20 ft., $3,863; to Smith Trucking Co., 3325 West Euclid Ave., 1,150 sq.yd. Alley 1568, 18.67 ft., $3,469, 830 sq. yd. Alley 1569, 20 ft., $2,498, 410 sq.yd. Alley 1571, 18 ft., $1,420; to A. F. Lester, 1631 Dime Bank Bldg., 1,550 sq.yd. Alley 1572, 20 ft., $4,653; to J. Porath, 745 Griswold St., 1,270 sq.yd. Alley 1573, 20 ft., $3,864.

Mich., Detroit—Pennsylvania R.R., 1368 Penobscot Bldg., grading and paving 6,000 sq.yd. Summit St. team tracks, stone and concrete, to Meredith & McVaugh, 220 Horton Ave., $30,000.

Streets and Roads (Continued)

Ill., Waukegan—Road and Bridge Committee at office C. E. Russell, co. supt. highways, Court House, paving Sect. X-15 D, Grand Ave. from Gurnee westerly to Lake Villa Rd., portland cement concrete to Liberty Eng. and Constr. Co., 4238 Grand Blvd., Chicago, $97,863. Noted Aug. 17.

Wis., Wauwatosa—Concrete paving, etc., 10th, Windsor, and Thomas Aves., 55th and 58th Sts., to Jacobus & Winding Concrete Constr. Co., 1 State St., $33,373. Noted Aug. 24.

Ia., Burlington—To W. J. Miller, Burlington, paving Mt. Pleasant St., 25,231 sq.yd. concrete $2.70, 851 sq.yd. brick $5.50, 8,000 sq.yd. macadam $0.50, 8,400 ft. integral curb $0.35, 4,824 cu.yd. excav. $0.50. Noted Sept. 22, 1921.

Ia., Iowa City—To Moore-Young Constr. Co., Waterloo, concrete paving 11,616 sq. yd. Primary Rd. Project 11, $2.76 per sq. yd., 5,040 lin.ft. concrete curb and gutter $1.25 per lin.ft., 8,733 cu.yd. excav. $0.70.

Ia., Le Mars—Plymouth Co. grading 15 mi. primary road between Remsen and Kingsley, Divs. 1 and 2, Federal Aid Project 181, 197,325 cu.yd. excav., to C. F. Betz, 305 Iowa Bldg., Sioux City, $0.179 per cu.yd. for Div. 1, $0.177 for Div. 2.

Ia., Sioux City — Paving 17,960 sq.yd. Lakeport Rd. from Meyers Ave. to south city limits, to C. F. Lytle, 504 Nebraska St., $3.05 per sq.yd.; 7,960 sq.yd. Smithland Rd. from South Olive St. to city limits, to Pickus Eng. & Constr. Co., 2316 East 3rd St., 5,600 sq.yd. concrete $2.95 and 2,360 sq.yd. strips $3.09.

Kan., Ft. Scott—Paving various streets with vitr. brick, to Thogmartin & Gardner, Ft. Scott, $41,217.

Tex., Coleman—Coleman Co. grading and gravel surfacing 17.72 mi. State Highway 7, Federal Aid Project 194, 16 ft., to Womack Constr. Co., Sherman, $135,857. Noted Aug. 17.

Tex., McKinney—Coliln Co. resurfacing with 5 in. gravel, 18 mi. Celina Rd. Dist. 7, 14 ft., to L. Laney, Celina, $14,100, 14,000 cu.yd. gravel furnsihed by county $28,500, engrs. est. $46,750; surfacing road already graded, 7 in. rock base and 5 in. gravel top on 10 mi. Pike Dist., Rd. Dist. 18, 14 ft., to G. Stiff, McKinney, $32,500, 27,300 cu.yd. local surfacing furnished by county $1,800, engrs. est. $37,730; 20 mi. Plano Rd. Dist. 29, 14 ft., to D. H. Purvis & Son, Ft. Worth, $70,100, 54,800 cu.yd. surfacing furnished by county, $20,000, engrs. est. $99,110.

N. M., Roswell—Grading, curbing, guttering and paving various streets, to New Mexico Constr. Co., Albuquerque, $170,000. Noted July 13.

Nevada—State Hy. Comn., Carson City, grading and bituminous concrete paving 1.59 mi. Project 48, Washoe Co., to Clark & Henry, Reno, $46,360. Noted Aug. 31.

Utah—State Rd. Comn., Salt Lake City, grading and gravel surfacing 9.04 mi. road from Levan to Chicken Creek Dam 18 ft., to Paxton, Dorrity & Black, Kanosh, $54,039. Engrs. est. $54,680. Noted Aug. 31.

Washington—State Hy. Dept., Olympia, paving 5 mi. Sunset Highway from Issawuah to Preston, King Co., to Coluccio & Erickson, 1642 Lane St., Seattle, 40,546 sq. yd. cement concrete, $1.97, 3,286 lin.ft. concrete gutter $0.80, 23,840 cu.yd. earth excav. $0.60, 930 cu.yd. solid and 1,320 cu.yd. loose rock excav., $2 and $1 respectively, total $132,603; 3.25 mi. National Park Highway from Elbe to Rainier Park Junction, Pierce Co., to R. N. Bartlett, Jefferson, Ore., 34,170 sq.yd. cement concrete, $2.20, 5,070 cu.yd. earth excav. $0.35, etc., total $86,101; grading and graveling 7 mi. State Rd. 4 from Tonasket east, Okanogan Co., to Anderson & Nelson, Moison, 64,110 cu.yd. earth excav. $0.24, 23,290 cu.yd. loose and 2,310 cu.yd. solid rock excav. $0.50 and $1 respectively, 11,130 sq.yd. gravel surfacing $1.95, total $68,748. Noted Aug. 31.

Oregon—State Hy. Dept., Salem, plain concrete, paving 3.64 mi. Project 73, in Washington and Yamhill Counties, to Cummings & LaPoint, McMinnville, $94,075.

Calif., Crescent City—Grading and paving various streets, to Federal Constr. Co., Call Bldg., San Francisco, $206,000. Noted Aug. 17.

Calif., Fresno — Grading and paving Farris Ave. between Belmont and Hedges Sts., to California Road and Street Impvt. Co., Bank of Italy Bldg., $40,054; N and Butler Sts. between Stanislaus and O Sts., W. F. Hanrahan, Griffiths-McKenzie Bldg., $104,931. Noted Sept. 21.

Calif., Marysville—Paving various street intersections, 366,367 sq.ft. 1½ in. warrenite bitulithic on 3½ in. bituminous, to Warren Constr. Co., Bacon Bldg., Oakland, $95,300.

BRIDGE—CLARKSVILLE, TENN.

Following are lowest three bids opened Sept. 14 by State Highway Dept., Nashville, for constructing bridge over Cumberland River, near Clarksville, (A) Nashville Bridge Co., Ft. Shelby Ave., Nashville, (awarded contract); (B) Gould Contg. Co., Nashville; (C) Virginia Bridge & Iron Co., Memphis. The unit bids were as follows:

	A	B	C
1,150 sq.yd. rock asphalt surface 2½-in.	$3.00	$2.75	$3.25
256.19 cu.yd. class A concrete	19.50	19.00	20.50
37,891 lb. deformed steel bars	.05	.05	.06
1,033,357 lb. fabricated structural steel	.0719	.0725	.0728
37,590 lb. steel castings	.092	.107	.125
398 lb. iron castings	.055	.10	.073
Extended totals	$88,119	$88,905	$91,219

SEWER—PORTLAND, ORE.

Bids were opened by city, Aug. 22, for constructing Lents District Sewer, (A) J. F. Shea, Henry Bldg.; (B) Jaconsen-Jensen Co., 407 Stanton St.; (C) Miracle Concrete Corp. All bids based on progress payments, Ordinance No. 41529. The unit bids were as follows:

Section A	A	B	C
Monolithic sewer laid 6,328 lin.ft. 76 in.	$16.90	$16.00	$18.40
770 lin.ft. 61x74 in.	15.40	19.00	16.50
4,280 lin ft. 61x63 in.	14.90	15.50	15.10
5,960 lin.ft. 61x60 in.	14.40	15.00	14.80
2,510 lin.ft. 61x57 in.	13.90	14.00	14.60
2,540 lin.ft. 61x53 in.	13.40	13.50	14.50
Section B			
665 lin.ft. 56x71 in. monolithic sewer laid in open cut	14.90	21.50	15.60
4,240 lin.ft. 56x71 in. monolithic sewer laid in tunnel, earth	16.40	24.00	20.00
100 lin.ft. 56x71 in. monolithic sewer laid in solid rock	16.40	20.00	20.00
4,240 lin.ft. tunnel excavation for 56x71 in. sewer, earth	18.50	17.00	16.50
100 lin.ft. tunnel excavation for 56x71 in. sewer, solid rock	21.50	20.50	16.50
4,000 lin.ft. 8 in. drain in gravel	.40	.60	1.00
Extended totals all items (61 items)	$693,110	$698,450	$719,333

WATER-WORKS—OGDEN, UTAH

Following are lowest three bids opened Aug. 29, by city, for constructing water-works extension No. 1, (A) F. W. Spencer & Co., Ogden, (awarded contract); (B) Wheelwright Constr. Co., Ogden; (C) C. F. Dinsmore & Co., Eccles Bldg. These bids are notable because, as stated in a letter to the Editor on p. 533 of this issue, the award of the contract for cast-iron pipe means that for the first time this material will be used instead of steel in the Ogden water-works distribution system. The unit bids were as follows:

Schedule No. 1	A	B	C
5,000 cu.yd. earth excavation and backfilling	$0.50	$0.34	$0.56
100 cu.yd. gravel fill	.50	.50	2.00
7 ton standard cast iron fittings	185.00	150.00	175.00
1,520 lin.ft. furnishing and laying cast iron pipe 6 in. diameter	1.40	1.25	1.26
9,300 lin.ft. furnishing and laying cast iron pipe 12 in. diameter	3.00	3.14	2.98
2,350 lin.ft. furnishing and laying cast iron pipe 14 in. diameter	3.85	3.96	3.70
100 lin.ft. furnishing and laying cast iron pipe 18 in. diameter	5.70	5.75	5.70
27 furnishing and placing 6 in. double gate valves	31.00	30.40	35.20
10 furnishing and placing 12 in. double gate valves	88.00	86.00	91.10
4 furnishing and placing 14 in. double gate valves	131.75	129.00	130.01
1 furnishing and placing 16 in. double gate valves	204.00	170.00	165.10
1 furnishing and placing 18 in. double gate valves	313.25	235.00	230.00
7 fire hydrants, 2½ in. hose connection and 4½ in. steamer connection	122.50	100.00	106.10
3 fire hydrants, 2½ in. hose connections	99.70	80.00	83.17
1 taking out and removing fire hydrants	15.00	7.00	16.00
1 removing and resetting fire hydrants	20.00	12.00	24.00
100 lin.ft. taking up and removing old mains 4 in. to 8 in.	.02	.04	.10
100 lin.ft. taking up and removing old mains 10 in. to 14 in.	.30	.15	.20
300 lin.ft. lowering existing mains 6 in. to 8 in. diameter	.10	.20	.50
100 lin.ft. lowering existing mains 10 in. to 14 in. diameter	.25	.25	.90
10 cutting in special castings to existing mains 6 in. to 14 in.	10.50	15.00	35.35
10 cutting in valves to existing mains 6 in. diameter	9.00	5.00	25.25
10 cutting in valves to existing mains 8 in. to 12 in. diameter	10.00	10.00	40.00
33 two-piece valve box with 3½ ft. maximum length	6.50	5.60	6.50
10 two-piece valve box with 4 ft. maximum length	7.00	6.00	7.00
2 12 in. diameter Ross regulator	342.00	492.50	500.00
1 manhole "A" complete in place with rim and cover	110.00	75.00	120.00
1 cast iron frame and cover "A"	20.00	30.00	36.00
10 cu.yd. furnishing and placing class "A" concrete	9.40	17.50	16.00
10 cu.yd. furnishing and placing class "B" concrete	9.40	15.00	15.00
10 cu.yd. furnishing and placing class "C" concrete	9.00	13.00	14.00
Extended totals	$49,202	$49,538	$50,094
Schedule No. 3			
3.75 tons standard cast iron fittings, M.J.	$272.00	$230.00	$270.00
1,520 lin.ft. furnishing and laying M.J. pipe 6 in. in diameter	1.03	.91	.92
9,300 lin.ft. furnishing and laying M.J. pipe 12 in. in diameter	2.35	2.30	2.35
2,350 lin.ft. furnishing and laying M.J. pipe 14 in. in diameter	3.02	3.05	3.10
100 lin.ft. furnishing and laying M.J. pipe 18 in. in diameter	4.67	4.60	4.60
Schedule No. 4			
3.75 ton standard cast iron fittings M.J.	$272.00	$230.00	$270.00
1,520 lin.ft. furnishing and laying M.J. pipe 6 in. in diameter	.90	.80	.80
9 300 lin.ft. furnishing and laying M.J. pipe 12 in. in diameter	2.09	2.05	2.10
2,350 lin.ft. furnishing and laying M.J. pipe 14 in. in diameter	2.75	2.81	2.85
100 lin.ft. furnishing and laying M.J. pipe 18 in. in diameter	4.11	4.18	4.20

*Pipe in Schedule 3, galvanized and dipped; in Schedule 4, dipped. 4. All other items in Schedules 3 and 4 are the same as in Schedule 1.

Ont., Paris—C. B. Parker, town clk., and F. Barber & Associates, Ltd., consult. engrs., 40 Jarvis St., Toronto, 5,883 sq.yd. concrete pavement and curbs on Dundas and Dumfries Sts., to Hamilton Contg. Co. Home Bank Bldg., Hamilton. Engrs. est. $26,000. Noted Sept. 7.

Industrial Works

PROPOSED WORK

Me., Dexter—A. Abbott Co. plans to rebuild 2 story plant recently destroyed by fire. $100,000. Private plans.

N. H., Bristol—See "Dams."

Mass., Springfield—B. J. Shaw, 125 St. James Circle, plans 3 story, 78 x 112 garage, brick, Harrison Ave. $100,000.

Mass., Worcester—Waldorf System, Inc., 169 High St., Boston, having plans prepared by J. M. Gray, archt., 112 Water St., Boston, 1 story bakery, etc., 12,000 sq.ft. floor space, brick and concrete, Arch and Summer Sts., here. $40,000.

R. I., East Providence (Providence P. O.)—Atlantic Refining Co., 715 Hospital Trust Bldg., Providence, plans large receiving and distributing oil plant, about 20 storage tanks, pump houses, garages, etc., at Kettle Point, off Barrington Parkway. Private plans.

R. I., Pawtucket—J. and P. Coats, Inc., 366 Pine St., soon lets contract 2 and 3 story, 95 x 370 ft. and 95 x 270 ft. mill additions, brick and timber. $375,000. Private plans

N. Y., New York—I. Feldman, c/o C. B. Meyers, archt. and engr., 31 Union Sq., had plans prepared 2 story, 105 x 110 ft., brick,

Industrial Works (Continued)

steel and concrete garage, plain foundation, West 150th St. $85,000.

N. Y., Rochester—Don-O-Lak Co. plans rebuilding portion of its paint and varnish plant destroyed by fire. $50,000. Architect not announced.

N. Y., Rochester—Jensen-McCollum, Inc., plans 1 story, 18 ft. high, 45 x 100 ft. garage and 36 x 75 ft. and 25 x 50 ft. auto sales and service station, brick, tile and steel, Main St. $45,000. F. T. Jensen, in charge.

Pa., Altoona — Penn Central Light & Power Co., 1809 Union Ave., plans to vote on $165,000 bonds for improving plant and lines.

Pa., Greenville—Greenville Steel & Iron Co. having plans prepared for 1 story, 150 x 500 ft. rolling mill, 1 story, 100 x 150 ft. open hearth, both steel and corrugated metal, 1 story, 60 x 450 ft. boiler house, 1 story, 50 x 150 ft. machine shop, both brick and steel, 3 story, 50 x 100 ft. warehouse, rein.-con. and brick. $3,500,000. Private plans. Noted Aug. 24.

Pa., McKees Rocks—Chesebrough Mfg. Co., 17 State St., New York City, soon lets contract 2 story and basement, 106 x 143 x 195 x 198 ft. brick finishing building, 1 story, 36 x 39 ft. brick boiler house, 1 and 2 story, 31 x 103 ft. tank house, etc., Stowe Twp. $1,000,000. Hunting-Davis Co., Century Bldg., Pittsburgh, archts. Noted June 8.

Pa., Oil City—E. M. Bowen having plans prepared by W. H. Crosby, archt., Masonic Bldg., 3 story and basement, 70 x 80 ft. brick and steel repair shop. $45,000.

Pa., Phila.—Northern Storage Co. soon takes bids 3 story, 60 x 80 ft. rein.-con., brick and steel storage building, plain foundation, 11th and McKean Sts. $100,000. I. W. Levin, Liberty Bldg., archt.

Pa., Pitcairn—Pennsylvania R.R., Broad St. Sta., Phila., soon lets contract 62 x 107 ft. paint storage and airbrake shop, 1 story, 103 x 424 ft. paint shops and bake oven, 1 story, 14 x 26 ft. oil house, 1 story, 43 x 203 ft. store house and welfare building, 1 story, 16 x 31 ft. oxygen and acetylene storage building, all foregoing brick; 1 story, 40 x 200 ft. rivet cutting building, 1 story, 100 x 760 ft. freight car repair shop, steel frame with galvanized iron siding. $500,000. A. C. Shand, Broad St. Sta., engr.

Pa., Pittsburgh—P. H. Butler Co., 17th and Pike Sts., having plans prepared by Hunting & Davis Co., archts., Century Bldg., 4 story and basement, 67 x 110 ft. brick and tile addition to warehouse, 17th and Pike Sts. $150,000.

Pa., Pittsburgh—Hanlon Gregory Galvanizing Co., 24th St., having plans prepared by J. E. Dwyer, archt., Forbes Murray Bldg., 1 story, 100 x 400 ft. mill, 56th and Butler Sts. $100,000.

D. C., Wash.—J. McReynolds, 819 14th St., N. W., having plans prepared by F. B. Pyle, archt., Evans Bldg., show rooms and service station. $150,000.

W. Va., Charleston—Libby Owens Co., Nicholas Bldg., Toledo, O., plans six 2 story, 45 x 250 ft. factory additions, brick and steel, here. $300,000. Devore Co., 908 Nicholas Bldg., Toledo, O., engrs.

W. Va., Charleston—Owens Bottle Co., 1401 Nicholas Bldg., Toledo, O., plans 1 story, 300 x 360 ft. factory addition, steel and rein.-con. $150,000. Devore Co., 908 Nicholas Bldg., Toledo, O., engrs.

W. Va., Nitro—Nitro Pencil Co., plans rebuilding factory recently destroyed by fire. $90,000. Architect not announced.

Fla., Orlando—Orlando Utilities Co. plans 75 x 175 ft. electric generating plant, to be operated in conjunction with waterworks plant. $300,000.

Ala., Birmingham—Lehigh Portland Cement Co., Young Bldg., Allentown, Pa., plans cement plant, near here, 1,000,000 bbl. per year capacity. Architect not announced.

O., Cincinnati—J. A. Fay & Egan Co., John and Front Sts., having revised plans prepared by C. M. Stegner, archt. and engr., 1,700 Union Trust Bldg., 1, 2 and 3 story, rein.-con., brick and steel machine shop, 80,000 sq.ft. floor space, Paddock Rd. and Tennessee (Bond Hill) Ave. $400,000.

O., Cleveland—City plans 3 story, brick, steel and timber or concrete warehouse, East 79th St. and Woodland Ave. $150,000. H. Kregelius, 604 City Hall, archt.

O., Cleveland—J. Mathers, 2061 West 20th St., had plans prepared by W. Markowitz, archt., 228 Union Bldg., 1 story, 66 x 66 ft., brick and timber garage, plain foundation, 1860 West 22nd St. $40,000.

Ill., Waukegan — Hewes Garage, 334 North Genesee St., having plans prepared by Natl. Constr. Co., engrs., 490 Virginia St., Milwaukee, Wis., 2 story, 50 x 66 ft. garage addition, rein.-con. and brick, plain foundation, here. $40,000.

Wis., Jefferson—Probst Bros., c/o E. Probst, having plans prepared 1 story, 50 x 90 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Sheboygan—Schneidewind & Zehms, 1401 Indiana Ave., plans 2 story, 70 x 100 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, Indiana Ave. $45,000. Architect not selected.

Ont., Niagara Falls—Rome Wire Co., Rome, N. Y., plans 2 story, 40 x 250 ft. brick and steel factory. To exceed $75,000. Architect not announced.

B. C., Vancouver—Adkison & Dill, local capitalists, 325 Howe St., are seeking franchise from City Council to build central heating plant and distributing system to burn lumber mill waste. $500,000 to $1,000,000 depending on demand for service. Another syndicate headed by H. A. Flood, 1213 Ave. A, Tacoma, Wash., is also trying to obtain this franchise.

B. C., Vancouver—Seaman Paper Mills, 208 South La Salle St., Chicago, Ill., plan paper mills, here. $3,000,000. V. D. Simons, 39 South La Salle St., Chicago, Ill., engr.

BIDS DESIRED

Conn., Stamford—Emmens & Abbott, archts., Washington Bldg., taking bids 3 story, 75 x 100 ft. factory addition, brick and steel, plain foundation, Beckley Ave., for S. and J. Gruber, 544 Main St. $60,000.

N. Y., Batavia—P. W. Minor & Son, State St., taking bids 4 story, 43 x 140 ft., concrete and steel addition to factory. $100,000. F. H. Homelius, c/o owner, archt.

N. Y., Creedmoor (Jamaica P. O.)—See "Buildings."

N. Y., New York—A. Lewisohn, 61 Bway., 2 story, 175 x 230 ft., brick, steel and concrete garage, plain foundation, 4360 Bway. $75,000. Work will be done by separate contracts. Private plans.

Pa., Manor—Amer. City Eng. Co., engrs., Peoples Bank Bldg., Pittsburgh, taking bids 1 story and basement, 110 x 130 ft. and 30 x 65 ft. brick machine shop and foundry, here, for Robertshaw Mfg. Co., Youngwood.

Pa., Phila.—General Electric Co., River Rd., Schenectady, N. Y., taking bids 140 x 175 ft. addition to factory, rein.-con., brick and steel, plain foundation, 7th and Willows Sts., here. Private plans.

O., Cleveland—Oct. 16, by Bd. Educ., East 6th St. and Rockwell Ave., 4 story and basement, 104 x 144 ft., brick, steel and rein.-con. warehouse, plain foundation, East 63rd St. and Waterman Ave. $250,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt. Noted July 6.

Mich., Detroit—See "Buildings."

Ill., Chicago—Dubin & Eisenberg, archts., 19 West Washington St., receiving bids 3 story and basement, 50 x 100 ft. factory, rein.-con., brick and steel, 1006-10 West Madison St. Owner's name withheld.

Ill., Chicago—E. P. Rupert, archt., 19 South La Salle St., receiving bids 1 story, 100 x 150 ft., rein.-con., brick and steel garage, Cicero Ave. near George St., for Luther Bros., 3523 North Cicero Ave. $60,000.

Ill., Chicago — Z. E. Smith, archt., 305 East 55th St., receiving bids 1 story, 75 x 160 ft., rein.-con., brick and steel garage, Ogden and Ridgeway Sts., for F. G. Arnold Co., c/o architect. $50,000.

Ill., Chicago—A. V. Teisen, archt., 4504 North Kedzie Ave., receiving bids 1 story, 110 x 1125 ft. rein.-con., brick and steel garage and store, Irving Park Blvd. and Richmond St. $50,000. Owner's name withheld.

Wis., Green Bay — Foeller & Schoeber, archts., Nicollet Bldg., taking bids 2 story, 100 x 105 ft. dairy and power boiler house, brick, rein.-con. and steel, plain foundation, for Fairmont Creamery Co., 200 North Bway. $60,000.

Wis., Milwaukee — E. G. Schroeder Co., engrs. and archts., 405 Bway., taking bids 1 story, 130 x 150 ft. factory and office, brick and steel, plain foundation, Keefe Ave., for Milwaukee Air Power Pump Co., 886 3rd St.

Wis., Milwaukee—M. Tullgren & Sons, archts., 425 East Water St., taking bids 1 story, 30 ft. high, 75 x 150 ft. film storage house, brick and concrete, plain foundation, Wells and 8th Sts., for Republic Bldg. Co., c/o Architects. $60,000. Noted Nov. 24.

CONTRACTS AWARDED

Me., Old Town—Old Town Woolen Co., 4 story, 60 x 90 ft. storage warehouse, brick and timber, to H. Purrington Co., Waterville, $60,000.

Mass., East Braintree (Boston P. O.)—Massachusetts Oil and Refining Co., 209 Washington St., Boston, will build steel and concrete oil separator structure, Quincy Ave., here, by day labor. $50,000. Private plans.

Mass., Indian Orchard (Springfield P. O.)—Indian Orchard Co., Indian Orchard, 1 story, 40 x 60 ft., brick and concrete boiler house, plain foundation, at plant, to Casper Ranger Constr. Co., 20 Bond St., Holyoke, Archts. est. $75,000.

Mass., Springfield—B. E. Shaw, 125 St. James Circle, 3 story, 80 x 112 ft. garage, brick, concrete and steel, plain foundation, to E. Radding Constr. Co., 186 Worthington St. Archts. est. $100,000.

Mass., Springfield—Victor Sporting Goods Co., Birne Ave., 3 story, 43 x 150 ft. factory, brick and concrete, plain foundation, Birnie Ave., to F. T. Ley & Co., Inc., 499 Main St. Archts. est. $75,000.

Mass., Worcester—A. J. Booth, c/o E. T. Chapin, archt., 340 Main St., will build 3 story, 95 x 103 ft. garage and service station, brick and rein.-con., plain foundation, Park St., by day labor. $150,000.

R. I., Manville—Manville Co., 1 and 2 story addition to plant, 50,000 sq.ft. floor space, brick and steel, plain foundation, to C. B. Maguire Co., Turks Head Bldg., Providence. Archts. est. $100,000.

R. I., Providence — New Down Town Garage, Inc., 704 Industrial Trust Bldg., 2 story garage and service station, rein.-con. and brick, plain foundation, Richmond St., to F. L. Pierce, 201 Union Trust Bldg. Archts. est. $150,000.

N. Y., Albany—Kushrer & Cooperberg, 15 Central Ave., 2 story, 65 x 240 ft., rein.-con., brick and steel garage, Columbia St., to Panzieri & Hogan, 90 State St., $75,000.

N. Y., Dunkirk—Skelton Shovel Co., c/o Chamber of Commerce, large shovel factory, East Lake Rd., to Frid Constr. Co., Buffalo (street address not available). Engrs. est. $125,000. Noted Aug. 24.

N. J., Atlantic City — Philadelphia & Reading R.R., Reading Terminal, Phila., 1 story, 71 x 100 x 157 ft. warehouse and 1 story, 30 x 60 ft. garage, Baltic and Delaware Aves., here, to F. A. Havens Co., 845 North 19th St., Phila.

Pa., Phila.—Traylor Eng. Co., 8 story, 124 x 205 ft. rein.-con., brick and steel factory, plain foundation, Broad and Lehigh Aves., to W. Steele & Sons, 16th and Arch Sts., $455,000.

O., Cleveland—M. Braduloo, 9123 Laisy Ave., 1 and 2 story and basement, 68 x 109 ft., brick and timber bakery and commercial building, East 116th St. and Buckeye Rd., to J. K. Vanis, 13701 Kinsman Rd. Archts. est. $45,000.

O., Cleveland—A. Sogg, archt., 319 Hippodrome Bldg., 2 story, 35 x 50 ft., ice cream factory, brick and timber, plain foundation, 10521 Superior Ave., to De Lorenzo & Botempo, Finance Bldg., for J. O. Stein, 822 Leader-News Bldg., Archts. est. $40,000. Noted Aug. 24.

Mich., Detroit—Kroger Grocery & Baking Co., 817 Main St., Cincinnati, O., 2 and 3 story, 55 ft. high, 203 x 424 ft. bakery and warehouse, rein.-con. and brick, plain foundation, Merritt Ave., to J. Finn & Co., 7720 Plymouth Rd., $300,000.

Mich., Detroit—Pennsylvania R.R., 1368 Penobscot Bldg., steel frame for first unit of freight house, 1 story, 68 x 700 ft., 3rd and Larned Sts., to Amer. Bridge Co., 2273 Beecher Ave., $200,000; foundation work and piers to W. E. Wood Co, 1805 Ford Bldg., $75,000. Completed building to be of brick, steel and concrete.

Mich., Hamtramck (Detroit P. O.)—Dodge Bros., Jos. Campau Ave., Detroit, will build 8 story, 200 x 400 ft. rein.-con. and brick factory, plain foundation, Jos. Campau Ave., by day labor. $1,500,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, engrs. Noted Sept. 14.

Ill., Chicago — Florence Art Co., c/o Minchin, Spitz & Co., archts., 19 West Jackson Blvd., 4 story, 50 x 108 ft. factory, rein.-con., brick and steel, North California Ave. and George St., to J. H. Bickley, 10 South La Salle St. Archts. est. $125,000.

Ill., Chicago—Illinois Publishing and Printing Co., 327 West Madison St., 3 story, 125 x 240 ft. printing plant, rein.-con., brick and steel, La Salle and 26th Sts., to Simpson Constr. Co., 133 West Washington St. Archts. est. $500,000. Noted Aug. 17.

Industrial Works (Continued)

Ill., Oak Park—Snow Bros., 1011 South Blvd., 1 story, 66 x 165 ft. garage, rein.-con., brick and steel, 1028 South Blvd., to G. McClintock, 107 North Park Ave. Archts. est. $50,000.

Calif., Oakland—Hebern Electric Code, Inc., Bank of Italy Bldg., 3 story, 100 x 200 ft. rein.-con. factory, 8th and Harrison Sts., to P. J. Walker Co., Monadnock Bldg., San Francisco, $150,000. Noted Aug. 24.

Buildings

PROPOSED WORK

Mass., Easthampton — High School — Town having sketches made by P. B. Johnson and R. B. Warner, archts., 310 Main St., Springfield, 2 story, 104 x 256 ft., brick. $250,000. Noted March 9.

Mass., Pittsfield—High School—Plans 3 story, brick plain foundation, East and 2nd Sts. $500,000. Architect not selected.

Mass., Springfield—Store and Office—E. Radding, 264 Main St., plans to convert church into theatre, and erect office building on land in front of church, State St. $175,000. Owner will probably build.

Mass., Worcester—Church—Grace Episcopal Church, c/o H. D. Brewer, chn. building com., 19 Oxford St., soon lets contract 1 story and basement, 60 x 180 ft., brick, stone and steel, Main and State St. $300,000. Coolidge & Carlson, 89 State St., Boston, archts. Noted June 1.

Mass., Worcester—Clubhouse—Worcester Hebrew Athlete Club, 60 Green St., plans clubhouse. $150,000. E. H. Pofcher, chn. Architect not selected.

R. I., Pawtucket—School and Convent—St. Edwards Roman Catholic Church, Hope and Weeden Sts., soon lets contract 2 story and basement, 70 x 102 ft. school, and 2 story 37 x 80 ft. convent, brick, steel frame. $150,000. J. F. O'Malley, 75 Westminster St., Providence, archt.

Conn., Hartford—Business—S. S. Nelson, 290 Trumbull St., having plans prepared by F. C. Walz, archt., 407 Trumbull St., 6 story, 100 x 130 ft., brick, concrete and steel, Church St. $200,000.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York, having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, brick, steel and stone, plain foundation, 3rd Ave., here. $425,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., soon lets contract brick, steel and stone, plain foundation, East 184th St. $200,000. McKenzie, Voorhies & Gemlin, 342 Madison Ave., archts. and engrs. Noted April 20.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., soon lets contract 12 story, brick, steel and stone addition, plain foundation, West 36th St. $1,200,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., archts. and engrs. Noted May 18.

N. Y., New York — Hotel — Belleclaire Hotel, Bway. and 77th St., having plans prepared 10 story, brick, steel and stone addition, plain foundation, 77th St. near Bway. W. Guzzardi, owner. Private plans.

N. Y., New York — School — Bd. Educ., 500 Park Ave., having plans prepared by C. B. J. Snyder, archt. and engr., Concord St. and Flatbush Ave., Brooklyn, P. S. 121, brick, steel and stone, plain foundation, East 102nd St. and 2nd Ave. $500,000.

N. Y., Niagara Falls—Hospital—Niagara Falls Memorial Hospital, 640 11th Ave., plans large addition and improvements to hospital. $250,000. Architect not announced.

N. Y., Phelps—School—Plans $175,000 bond issue for new school in Dist. 8. Architect not selected.

N. Y., Saratoga Springs—High School—Bd. Educ. rejected bids opened Sept. 18, new high school, Lake Ave. $400,000. Will readvertise. Coffin & Coffin, 522 5th Ave., New York archts. and engrs. Noted Aug. 31.

N. J., Camden—Terminal—Philadelphia & Reading R.R., Reading Terminal Sta., Phila., soon takes bids 1 story, 42 x 115 ft. and 2 story, 105 x 328 ft. terminal buildings, Kaighs St., here. S. Wagner, Phila., ch. engr.

Pa., Altoona—Business Block—Bell Telephone Co., 13th and Arch Sts., Phila., plans 6 story and basement, 110 x 140 ft. rein.-con., brick and steel, 12th Ave. and 16th St., here. $1,000,000. Architect not selected.

Pa., Beaver—College—Beaver College plans college buildings. $1,000,000. J. W. Thorburn, pres.

Pa., Grove City—Hotel—Grove City Hotel Corp., c/o C. Harshaw, Grove City, having plans prepared by Owsley Co., archts., 1301 Mahoning Bank Bldg., Youngstown, O., 4 story, 100 x 100 ft. rein.-con., brick and steel. $150,000. Noted Sept. 7.

Pa., Merion Sta. — Academy — Sisters of Mercy soon take bids 4 story and basement, 45 x 70 ft. and 45 x 192 ft. stone, here. $200,000. F. F. Durang, 1220 Chestnut St., Phila., archt.

Pa., Phila. — Office — Insurance Co. of North America, 232 Walnut St., soon takes bids 20 story, rein.-con., brick and steel, plain foundation, 16th and Arch Sts. $1,500,000. Stewartson & Page, 315 South 15th St., archts. Stone & Webster, Real Estate Trust Bldg., engrs.

Pa., Pittsburgh — Court House — Comrs. Allegheny Co., Court House, having plans prepared by Rutan, Russell & Wood, archts., Century Bldg., altering and building addition to court house, 5th Ave. and Grant St. $450,000.

x **Pa., Wilkes-barre**—Business—F. P. Slattery plans 3 story, 60 x 70 ft. brick, South Main St. $150,000. Architect not announced.

Del., Newark—Library—University of Delaware conducting campaign to raise $230,000 for library on campus. E. C. Johnson, chn. campaign com.

Del., Newark—High School—Bd. Educ. plans 2 and 3 story, 140 x 260 ft. Total cost $400,000, full appropriation not available. Portion of building will be contracted for at this time, $160,000 available. Gilbert & Betelle, 546 Broad St., Newark, N. J., archts.

D. C., Wash.—Apartment—J. M. Donn, archt., 1147 Connecticut Ave., N. W., preparing plans 8 story, 112 x 112 ft. apartment. $1,000,000. Owner's name withheld.

D. C., Wash. — College — Christian Brothers, Armendale, Md., having plans prepared by Murphy & Ohnsted, archts., 1413 H St., N. W., for brick and stone college buildings, here. $500,000.

D. C., Wash.—Hotel—Powhatan Hotel Co., 18th St. and Pennsylvania Ave., N. W., plans 10 story addition. $500,000. Architect not selected.

W. Va., Morgantown—Chemistry—University of West Virginia, c/o State Bd. Control, Charleston, had plans prepared by Davis & Dunlop, archts., 1713 Samson St., Phila., 4 story and basement, 79 x 254 ft. and 40 x 79 ft., brick and steel. $400,000.

N. C., Durham — Temple — Masonic Lodges soon take bids temple, Main and Roxboro Sts. $200,000. Architect not announced.

N. C., Washington—Schools—Oct. 17, to vote on $300,000 bonds for new school buildings.

N. C., Winston-Salem—Market—City having plans prepared market, probably rein.-con., 6th and Cherry Sts. $300,000. Architect not announced.

La., Baton Rouge — Church — Methodist Episcopal Church South having plans prepared by R. Spencer, archt., Goodwyn Institute, Memphis, Tenn., 1½ story, limestone. $200,000.

O., Bellaire—High School—Nov. 7, to vote on $350,000 bonds for high school, 35th and Guernsey Sts. H. P. Rodewig, pres. Bd. Educ.

O., Cincinnati — Apartment — Vernon Manor Co., 16 East 7th St., had sketches made by Garber & Woodward, archts. and engrs., 2803 Union Central Insurance Bldg., 7 story and basement, 90 ft. high, 140 x 208 ft., rein.-con. and brick, plain foundation, Burnet and Oak Aves. $1,500,000.

O., Cincinnati — Home — Sisters of St. Joseph, Bway. St., had sketches made by Crowe & Schulte, archts. and engrs., 914 Main St., 3 story, 120 x 175 ft., brick, plain foundation, Oak and Reading Rds. $300,000.

O., Cleveland — Commercial — Upper Euclid Co., c/o W. A. Greenlund, treas., Williamson Bldg., having plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., 2 story and basement, 60 x 150 ft., brick, steel and stone, Euclid Ave. and East 97th St. $150,000.

O., Cleveland — Police Headquarters — City having plans prepared by A. E. Skeel, archt., 4500 Euclid Ave., converting 6 story, brick, steel, marble and tile building at 203 St. Clair Ave. into police headquarters. $150,000. T. C. Martinec, City Hall, dir. pub. safety.

O., Cleveland Heights (Warrensville P. O.)—Apartment—M. Arnoff, 10025 North Blvd., Celveland, plans 4 story and basement, 48 suites, brick and steel, Cedar Rd. near Fairmount Blvd., here. $450,000. Private plans.

O., Cleveland Heights (Warrensville P. O.)—Apartment—M. Makoff, 2740 East Blvd., Cleveland, having plans prepared by A. F. Janowitz, archt., Permanent Bldg., Cleveland, 3 story, 44 x 185 ft., brick, steel and concrete, here. $250,000.

O., Massillon—School—Bd. Educ. having plans prepared by C. W. Bates, archt., 77 12th St., Wheeling, W. Va., and 604 Marshall Bldg., Cleveland, 2 story and basement, brick, steel and concrete, North St. $250,000. E. P. McConnaughy, pres.

Mich., Dearborn —Laboratory — Ford Motor Co., Highland Park, (Detroit P. O.) had plans prepared by A. Kahn, engr., 1000 Marquette Bldg., Detroit, 1 story, 200 x 800 ft. brick and steel, plain foundation. $250,000.

Mich., Detroit—Office—Wormer & Moore, 514 Griswold St., having plans prepared by Bonnah & Chaffee, archts., 528 Farwell Bldg., 8 story and basement, 60 x 120 ft. rein.-con., stone, brick and terra cotta, plain foundation, Park and Montcalm Aves. $250,000.

Mich., Holland — School — Robinson & Campau, archts., 715 Michigan Trust Bldg., Grand Rapids, takes bids in spring, 3 story and basement, 110 x 160 ft., River Ave. here, for Bd. Educ. $260,000.

Mich., Lansing — Office—Wolverine Insurance Co., 303 West Allegan St., having revised plans prepared by E. A. Bowd, archt., 127 West Allegan St., 5 story, 40 x 90 ft. brick, Allegan St. $150,000.

Mich., Owosso—Schools—E. J. Willman, school supt., having plans prepared by Lane, Davenport & Peterson, archts., 2320 Dime Bank Bldg., Detroit, three 2 story and basement, ward schools, brick and steel, plain foundation. $200,000.

Mich., Royal Oak (Detroit P. O.) — Market—Main St. Market, c/o F. D. Madison, archt., 415 South Washington St., having plans prepared 2 story and basement, 60 x 110 ft. concrete, brick and steel, plain foundation, 5th and Main Sts. $150,000.

Mich., St. Johns — High School — Bd. Educ. having sketches made by S. D. Butterworth, archt., Prudden Bldg., Lansing, 2 story and basement, concrete, brick and steel, plain foundation. Election in November to vote on $175,000 bonds.

Ill., Chicago—Nurses Home—Illinois Post Graduate Hospital, 24th and Dearborn Sts., plans 73 x 121 ft., rein.-con., brick and steel, Jackson Blvd. and Lincoln St. $150,000. W. J. Noble, secy. Architect not selected.

Ill., Chicago — Office — A. S. Alschuler, archt., 28 East Jackson Blvd., preparing plans 3 story, 105 x 125 ft., rein.-con., brick and steel, Congress and Laflin Sts. $250,000. Owners name withheld.

Ill., Chicago — Office — Woltersdorf & Barnhard, archts., 138 North La Salle St., preparing plans 13 story, 118 x 125 ft., rein.-con., brick and steel, Madison and Hamlin Sts. $1,250,000. Owners name withheld.

Ill., Highland Park — Hospital — Shankland & Pingrey, archts., 209 South La Salle St., Chicago, preparing plans 2 story, 40 x 150 ft. addition to hospital, here. $150,000. Owners name withheld.

Ill., Oak Park — Apartment-Hotel — B. Ruglen c/o B. L. Steif, archt., 64 West Randolph St., Chicago, having plans prepared 3 story, 125 x 143 ft., rein.-con., brick and steel, Washington Blvd. $250,000.

Wis., Fond du Lac—Church and Auditorium—Immanuel Trinity Congregation, 13 South Portland St., plans 2 story, brick, rein.-con. and stone, plain foundation. $150,000. J. H. Becker, pastor. Architect not selected.

Wis., Juda—High School—Bd. Educ. c/o J. W. Roderick, clk., plans 2 and 3 story, 60 x 150 ft., brick, rein.-con. and stone, plain foundation. $150,000. Architect not selected.

Wis., Kenosha—Hotel—S. Schwartz, 927 North Sheridan Rd., Waukegan, Ill., rejected bids 5 story, rein.-con. and brick, plain foundation, Main St., here. $175,000. Will readvertise. M. Tullgren & Sons, 425 East Water St., Milwaukee, archts. Noted July 13.

Wis., Milwaukee — Apartment—Glengyle Realty Co., 97 Wisconsin St., rejected bids 2 story and basement, 40 ft. high, 110 x 118 ft., brick and rein.-con., plain foundation, Stowell Ave. $160,000. Will readvertise. Voelz & Siebert, 373 Bway., archts. Noted July 27.

Wis., Milwaukee—Theatre and Office, etc. Grand & Sixth Bldg. Co., c/o O. Brachman, 425 East Water St., having plans prepared by M. Tullgren & Sons Co., archts., 425 East Water St., and C. W. and G. L. Rapp, associated archts., 190 North State St., Chicago, 7 story and basement, 85 ft. high, 150 x 205 ft., rein.-con., brick and tile, plain foundation, 6th and Grand Sts. $2,000,000.

Wis., Viroqua—High School—Bd. Educ. plans 3-4 story, brick, rein.-con. and steel, plain foundation. $150,000. C. F. Dahl, clk. Architect not selected.

Ia., Des Moines—Apartment—B. J. Kavanagh, Fleming Bldg., having plans prepared by Vorse, Kraetsch & Kraetsch, archts., S. & L. Bldg., 4 story and basement, rein.-con., brick, tile and stone, Grand and West 10th St. $250,000.

Ia., Des Moines — High Schools—Bd. Educ. had plans prepared by Proudfoot, Bird & Rawson, archts., 810 Hubbell Bldg.,

Buildings (Continued)

two 2 story and basement, rein.-con., brick, tile and stone, junior high schools, one on East 25th and University Sts., other on 31st and Center Sts. $275,000 each. G. L. Garton, secy.

Ia., Waterloo—Hotel—Arcade Hotel Co., c/o G. C. Janney, Waterloo, having plans prepared 4 story and basement, 110 x 150 ft., rein.-con., brick, tile and stone. $300,000. Private plans.

Mo., Marshall—High School—Bd. Educ. having plans prepared by Owen, Payson & Casmell, archts., 505 Interstate Bldg., Kansas City, and takes bids in about 3 weeks, 3 story and basement, 150 x 152 ft., rein.-con. and brick.

Tex., San Antonio—Auditorium—City having plans prepared by R. Cameron, archt., Frost Bldg., 3 story, brick and steel, plain foundation. $500,000. Noted Feb. 9.

Colo., Denver—School Administration—Had plans prepared by W. N. Bowman, archt., Central Savings Bank Bldg., 2 story and basement, 30 ft. high, 100 x 125 ft., rein.-con., brick, terra cotta and tile, 14th and Tremont Sts. $150,000.

Wash., Spokane—Temple—Masonic Order, 1108 Riverside Ave., having plans prepared and probably take bids in spring, 3-5 story, brick, steel and stone, Main St. $300,000. Rigg & Vantyne, Peyton Bldg., archts.

Calif., Alameda — Hospital — Alameda General Hospital Corp., c/o C. E. Rogers, archt., Phelan Bldg., San Francisco, having plans prepared 3 story, San Jose Ave. $200,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by J. Reid, Jr., city archt., 1st Natl. Bank Bldg., 3 story and basement, rein.-con. and tile, Van Ness Ave. near Hayes St. $800,000.

Calif., San Jose—College—State College for Teachers, having plans prepared by G. B. McDougall, state archt., Forum Bldg., Sacramento, college incl. home economic building, industrial training and machine shops, etc., 7th and San Antonio Sts., here. $205,000.

BIDS DESIRED

Mass., Holyoke—Office—Hadley Falls Trust Co., 369 High St., taking bids 8 or 10 story, 60 x 100 ft., steel frame, High St. $200,000-$250,000. G. P. B. Alderman, 316 High St., archt. Noted March 9.

Mass., Pittsfield — School — Sept. 30, by School Bd., 3 story, 12 rooms and auditorium, brick. $175,000. G. H. Haynes, 184 North St., archt.

R. I., Westerly — School — Oct. 2, by School Bd., 1 story, 117 x 153 ft., brick, steel and concrete. $150,000. Hoppin, Field & Pierce, 31 Market Sq., archts.

R. I., Westerly — School — Oct. 2, by School Bd., 2 story and basement, brick and concrete, plain foundation, Pleasant and High Sts. $150,000. Hoppin, Field & Pierce, 31 Market Sq., Providence, archts.

Conn., West Hartford—High School—Oct. 2, by B. I. Miller, town mgr., 2 story and basement, 200 x 210 ft., rein.-con., steel and brick, plain foundation, South Main St. $450,000. W. T. Marchant, 36 Pearl St., Hartford, archt.

N. Y., Creedmoor (Jamaica, P. O.)—Hospital, etc.—Oct. 31, by State Hospital Comn., 25 Bway., New York, kitchen and dining room building, central heating and lighting plant, and buildings for chronic patients (north and south) etc., at Creedmoor Div., Brooklyn State Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., Jamestown — Lodge — Building Com. B.P.O.E., taking bids 3 story, 80 x 120 ft., brick, steel, pressed brick and tapestry brick, East 4th and Pine Sts. $160,000. E. W. Curtis, chn. C. C. Pederson, 119 Lakeview Ave., archt. Noted April 20.

N. Y., New York—Apartment—M. Paterno, 200 West 72nd St., 14 story, brick, steel and stone, plain foundation, Park Ave. and 86th St. $1,500,000. Work will be done by separate contracts. Private plans.

N. Y., Patchogue—High School—Oct. 16, by Bd. Educ., brick, steel and stone, plain foundation. $500,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted Sept. 14.

Pa., Beaver Falls — High School — Bd. Educ. and Carlisle & Sharrer, archts., Jenkins Arcade, Pittsburgh, taking bids 3 story and basement, 68 x 129 ft. brick, stone and tile addition. $150,000. Noted June 22.

Pa., Bridgeport — High School — H. C. Richards, archt., 608 Chestnut St., Phila., taking bids 2½ story, 69 x 164 ft. rein.-con., brick and steel, plain foundation, for Bd. Educ.

Pa., Johnstown — High School — Oct. 9, by School Dist., 601 Swank Bldg., constructing Cochran School, 3 story, brick and stone, steel frame has been erected. $350,000. J. E. Adams, Nemo Bldg., archt. Noted Aug. 31. Former bids rejected.

Pa., Phila. — Bank and Office — A. H. Brockie, archt., 254 South 15th St., taking bids 6 story, 39 x 138 ft. brick, steel and marble, 1510-1512 Chestnut St., for Corn Exch. Bank, 1510-12 Chestnut St.

Pa., Phila. — Oct. 5, by F. E. Hahn, archt., 1112 Chestnut St., 5 story and basement, 140 x 141 ft. rein.-con., brick, steel and stone, plain foundation, Broad and Pine Sts., for Y.M.H.A., Ash St. Noted May 4.

Tenn., Knoxville — Church — Oct. 9, by Daugherty & Gardner, archts., Stahlman Bldg., Nashville, 4 story, 140 x 200 ft., Main St., for First Baptist Church, 630 South Gay St. $300,000. Noted July 20.

O., Athens—Gymnasium—Oct. 19, by Bd. Trustees Ohio University, 2 story and basement, 107 x 160 ft., brick, stone and concrete, on campus. $200,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted Sept. 21.

O., Cleveland—Store—Oct. 5, by Walker & Weeks, archts., 1900 Euclid Ave., 6 story, 143 x 152 ft., brick and rein.-con. addition, Huron Rd., for Halle Bros. Co., Euclid Ave. $350,000. Noted Aug. 17.

O., Logan—High School—Oct. 20, by R. Bright, clk. Bd. Educ., 2 story and basement, 106 x 136 ft., brick and concrete. $150,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

O., Oakwood (Dayton P. O.)—School—Oct. 6, by Clerk Bd. Educ., 3 story and basement, 136 x 176 ft., brick and rein.-con. $200,000. Schenk & Williams, Mutual Home Bldg., Dayton, archts. Noted Jan. 12.

Mich., Detroit — Seminary — Oct. 10, by Donaldson & Meier, archts., 1314 Penobscot Bldg., seminary buildings as follows: Unit A, 4 and 5 story, 223 x 267 ft. with 2 courts, 60 x 180 ft., 55 ft. high, with 116 ft. tower; Unit B, 3 story, 150 x 162 ft., 50 ft. high; Unit C, 3 story, 135 x 170 ft., 50 ft. high; Unit D, 2 story, 117 x 118 ft., 50 ft. high; Unit E, 4 story, 60 x 137 ft., 68 ft. high; Unit F, 2 story, 64 x 147 ft. power plant, 40 ft. high with stack, 3 boilers, feed pumps, incinerator, coal bunkers, etc., all foregoing rein.-con., brick and steel, Chicago Blvd., for Sacred Heart Seminary, M. J. Gallagher, 1219 Washington Blvd., pastor.

Mich., Mt. Pleasant—Dormitory—Oct. 7, by T. E. Johnson, secy. State Bd. Educ., Lansing, 3 story, concrete, brick and steel, plain foundation. $150,000. S. D. Butterworth, 909 Prudden Bldg., Lansing, archt.

Mich., Port Huron—High School—Oct. 16, by Secretary Bd. Educ., 2 story and bsement, 100 x 150 ft. rein.-con., brick and steel, plain foundation, Erie Ave. $200,000. Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, archts.

Ill., Chicago—Bank and Office—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids 14 story, rein.-con., brick and steel addition, Clark and Monroe Sts., for Chicago Trust Co. c/o architects. $1,000,000. Former bids rejected. Noted Sept. 7.

Ill., Chicago — Church and Community House — Spitzer & Popkin, archts., 115 South Dearborn St., receiving bids 3 story, rein.-con., brick and steel, Ashland and Morse Aves., for owner c/o D. Labowitch, 166 North State St. $500,000.

Minn., Minneapolis—School—Oct. 9, by McPhail School of Music and Dramatic Art, Nicollet Ave., 4 story and basement, 55 ft. high, 50 x 157 ft., rein.-con., brick and tile, La Salle Ave. and 12th St. $225,000. Magney & Tusler, 126 South 9th St., archts. Noted Aug. 4, 1921, and July 13, 1922 under "Miscellaneous."

Minn., St. Paul—High School—Oct. 2 (change of date), by H. W. Austin, city purch. agt., 3 story and basement, 150 x 250 ft. with 1 story, 48 x 90 ft. wing, rein.-con., brick and tile, Isabel and Congress Sts. $300,000. F. X. Tewes, city archt. Noted Sept. 14.

Ariz., Phoenix—Depot—Oct. 19 at office R. B. Ball, ch. engr. Coast Div. of Atchison, Topeka & Santa Fe R.R., Kerckhoff Bldg., Los Angeles, Calif., for union depot, 480 ft. long, here. $850,000. Noted Dec. 29.

Ont., Galt—School—Oct. 2, by Cameron & Ralston, archts., Bartlett Bldg., Windsor, 2 story and basement, 120 x 225 ft. concrete, brick and stone, for Bd. Educ. $300,000.

BIDS RECEIVED

N. Y., Albany—Municipal—Bd. Contr. & Supply, City Hall, opened bids Sept. 18, for municipal building, Eagle and Beaver Sts., from H. Goodman, 705 Bway., $239,068; M. Kantrowitz, 20½ Market St., $246,800; Panzieri & Hogan, 90 State St., $250,000. Noted Sept. 14.

N. Y., Brooklyn—Schools—C. B. J. Snyder, supt. School Buildings, Concord St., opened bids Sept. 22, P.S. 193, northerly side of Ave. L, etc., from T. A. Clarke Co., 122 Livingston St., $567,000, C. Meads Co., 217 West 14th St., New York, $602,200, G. Dekempe $605,000; P. S. 192, southerly side of 18th Ave., etc., from G. F. Driscol Co., 115 Schermerhorn St., $572,990, G. Dekempe, $615,000, T. Dwyer, Bway. and 216th St. New York, $624,000. Noted Sept. 14.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., opened bids Sept. 18, general contract 3 story and basement, 300 x 311 ft., brick, steel and concrete, East 152nd St. and St. Clair Ave., from Drummond-Miller Co., 4500 Euclid Ave., $1,689,900, Craig-Curtiss Co., Cook Bldg., $1,719,987. A. Dall, Euclid Heights Blvd., Cleveland Heights, $1,806,000; heating and ventilating apparatus, from Feldman Bros., 10305 Barrett Ave., $234,800. Noted Aug. 31.

CONTRACTS AWARDED

Me., Ft. Fairfield—High School—School Bd., 2 story, and basement, 90 x 165 ft., brick and steel, plain foundation, Hill St., to F. A. Rumery Co., 21 Portland St., Portland. Archts. est. $150,000. Noted March 9.

Me., Waterville—Hospital—Sisters Hospital, College Ave., 4 story, L-shaped, brick, steel and concrete, plain foundation, College Ave., to D. H. Walker, 529 Dutton St., Lowell, Mass. Archts. est. $500,000. Noted July 13.

N. H., Nashua—Bank and Office—Second Natl. Bank, 185 Main St., 4 story, brick, steel and stone, plain foundation, Main St., to C. W. Keith, 2 Faxon St. Archts. est. $200,000. Noted Sept. 14.

Mass., Boston—Office—Edison Electric Illuminating Co., 70 State St., 8 story, rein.-con., brick and terra cotta, plain foundation, 33-39 Boylston St., to G. B. H. Macomber Co., 44 Bromfield St. Archts. est. $350,000. Noted Dec. 30.

Mass., Boston—Office—Chamber of Commerce, 177 Milk St., 12 story, 113 x 184 ft., rein.-con., brick, steel and stone, plain foundation, Federal and Franklin Sts., to Evatt Constr. Co., 161 Devonshire St. Archts. est. $3,000,000. Noted Aug. 24.

Mass., Dorchester (Boston P. O.)—Dormitory—St. Marys Infant Asylum, Everett Ave., 4 story, 60 x 85 ft. brick, stone and steel, plain foundation, Cushing Ave., to C. Logue Building Co., 18 Tremont St., Boston. Archts. est. $150,000.

Mass., Somerville — High School — Bd. Educ., 3 story, rein.-con. and brick, plain foundation, Winter Hill, to F. G. Coburn, 294 Washington St., Boston. Archts. est. $800,000. Noted Aug. 10.

R. I., Woonsocket — College — Sacred Heart College, 2 and 3 story, brick, concrete and steel, plain foundation, Bernon Heights, to Bouvier-Brien Constr. Co., 189 Sayles St. Archts. est. $500,000.

N. Y., Brooklyn—Apartment—Rosenvale Realty Co., c/o Magnuson & Kleinert, archts. and engrs., 52 Vanderbilt Ave., 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, Ave. J. and East 10th St., by day labor. $150,000. L. Rosenberg, pres.

N. Y., New York—Apartment—H. and J. Realty Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, 95 x 185 ft., brick, steel and stone, plain foundation, Boston Rd. and 167th St., by day labor. $175,000.

N. Y., New York—Museum—Park Bd., Municipal Bldg., new wing to be known as southeast wing and court building known as Hall of Ocean Life, also passage to connect the 2 buildings, for Amer. Museum of Natural History, general contract to J. Stewart & Co., 30 Church St., $1,069,000; plumbing work to P. F. Kenny Sons, 33 Old Bway., $23,961; steam heating and fume removal apparatus, etc., to Federal Heating Co., 300 Madison Ave., $66,431; ventilating and humidifying apparatus, to Baker Smith Co., Inc., 576 Greenwich St., $19,600. Noted Sept. 14.

Pa., Carbondale—School—Bd. Educ., 3 story, 19 room, brick, Salem Ave., general contract to Lackawanna Constr. Co., Real Estate Exch. Bldg., Scranton, $189,275. Noted Sept. 7.

Pa., Dormont — Church — O. M. Topp, archt., Jenkins Arcade, Pittsburgh, 1 story, balcony and basement, stone and tile, Potomac and Espy Sts., to C. S. Smith, 1924 Murdoch St., Pittsburgh, for Presbyterian Church, c/o C. K. Jones, 2032 Glenmore Ave. Archts. est. $175,000. Noted Aug. 31.

Pa., Greensburg — Home — Bd. Comrs. Westmoreland Co., c/o W. A. Arter, co. controller, altering county home, to Burrell & Snyder, Coulter Bldg. Archts. est. $190,000. Noted July 13.

Pa., Greensburg—Store and Office—Inland Realty Co., 5 story and basement, 30 x 95 ft. brick addition to Huff Bldg.,

Buildings (Continued)

Main St. to Burrell & Snyder, Coulter Bldg. Archts. est. $150,000. Noted July 13.

O., Warren—Office and Bank—Union Savings & Trust Co., 3 story, 50 x 100 ft., brick and terra cotta, East Market St., to C. Shutrump & Son, Warren, and 407 Home Saving & Loan Bldg., Youngstown. Archts. est. $150,000.

Mich., Detroit—Office—J. J. Barlum, 5737 2nd Blvd., (second unit) 8 story and basement, 60 x 100 ft., rein.-con., brick and terra cotta, plain foundation, Bway. Ave., to O. Misch Co., 1370 Bway. Ave. Archts. est. $200,000.

Mich., Detroit—Office—Bonnah & Chaffee, archts., 528 Farwell Bldg., 10 story, about 100 ft. high, 50 x 100 ft. rein.-con., brick, steel and terra cotta, plain foundation, Cadillac Sq., to O. Misch Co., 1370 Bway. Ave., for J. J. Barlum, 5737 2nd Blvd. Archts. est. $250,000. Noted Aug. 3.

Mich., Detroit—Office—J. B. Book, 1225 Book Bldg., general contract, 21 story and basement, 222 ft. high, 61 x 100 ft., rein.-con., brick and steel, Washington Blvd., to O. Misch Co., 1370 Bway. Ave., $525,000. Noted July 27 and Aug. 24.

Mich., Detroit—Office—G. Epstean and J. Berman, 311 Moffatt Bldg., 14 story and basement, 168 x 177 ft. rein.-con., brick and steel, caisson foundation, Shelby St. and Michigan Ave., to O. Misch Co., 1370 Bway. Ave. Archts. est. $2,500,000. Noted May 25.

Mich., Detroit—School—Bd. Educ., 2 story and basement, 91 x 92 ft. addition to Neinas School, McMillan and Military Aves., to Culbertson & Kelly, 872 West Milwaukee Ave., $150,000; 1 story and basement, 55 x 70 ft. play room, to Corrick Bros., 507 Owen Bldg., $23,478. Both rein.-con., brick and steel. Noted Sept. 7.

Ill., Chicago—Apartment—J. Hendelsman, 1445 South Sangamon St., 3 story, 108 x 116 ft., rein.-con., brick and steel, 4900-08 Drake Ave., to Weinstein & Ruzinsky, 1607 South Central Park Ave. Archts. est. $150,000. Noted May 11.

Ill., Chicago—Church—University Church of Disciples, c/o H. Shaw, archt., 39 South State St., 3 story, 60 x 100 ft., rein.-con., brick and steel, 57th St. and University Ave., to C. B. Johnson & Son, 111 West Washington St. Archts. est. $200,000. Noted Aug. 31.

Ill., Chicago—Hospital—Ravenswood Hospital Assn., c/o F. D. Chase, Inc., archts., 645 North Michigan Ave., 4 story, 100 x 150 ft., rein.-con., brick and steel, 1917-31 Wilson Ave., to H. B. Barnard, 140 South Dearborn St. Archts. est. $300,000.

Ia., Des Moines—Apartment—R. Bolton, 1st and Locust Sts., 4 story and basement, rein.-con., brick and stone, 37th St. and Grand Ave., to Fleisher Constr. Co., New Commercial Bldg., $160,000.

Ia., Des Moines—Apartment-Hotel—Commodore Holding Co., 101 Commercial Security Bldg., 5 story and basement, 65 x 120 x 170 ft., rein.-con., brick and tile, to Fleisher Constr. Co., 101 Commercial Security Bldg. Archts. est. building complete $500,000.

Minn., Minneapolis—Apartment—L. H. Fawkes, 1629 Harmon Pl., 6 story and basement, 40 x 87 x 134 ft., rein.con., brick and tile, 314 8th St. S., general contract to Engstrom-Olson Co., 216 Walker Bldg. Cost complete $200,000.

Kan., Atchison—Academy—Mt. Scholastica Academy, 8th and Eccher Sts., 4 story, rein.-con. and brick, plain foundation, to Immel Constr. Co., 200 North Main St., Fond du Lac, Wis., $650,000. Noted Aug. 31.

Colo., Denver—Hotel—O. H. Shoup and others, State House, 8 story, 75 x 200 ft. with 4 wings each 45 x 175 ft., rein.-con. and terra cotta, steel frame, plain foundation, Speer Blvd., Ellsworth and Bayaud Aves., Downing and Ogden Sts., to Fleisher Constr. Co., 606 Builders Exch., Minneapolis, Minn. Engrs. est. $5,000,000.

Calif., Fresno—Office and Store—W. Patterson, 3 story and basement, brick and concrete addition, Tulare and J Sts., to R. F. Felchlin, Bank of Italy Bldg., $150,000.

Calif., Oakland—School—Bd. Educ., Theodore Roosevelt High School, 2 and 3 story, rein.-con. and tile, plumbing to H. G. Newman, 522 16th St, $39,496; heating and ventilating to W. H. Picard, 5656 College Ave., $43,107; electric work to NePage McKenney, 518 18th St., $73,900; lathing and plastering to G. Dixon, 541 Apgar St., $49,943. Bids on general contract were rejected; new bids will be asked. Noted Aug. 24.

Calif., San Luis Obispo—Hotel and Store—J. L. Anderson, c/o C. A. Meusdorffer, archt., Humboldt Bank Bldg., San Francisco, general contract 5 story and basement, rein.-con., Montgomery and Morro Sts., to R. Trost, 26th and Howard Sts., San Francisco, $142,785; plumbing, heating and oil burner, to Scott Co., 243 Minna St., San Francisco, $29,418. Noted Aug. 24.

ROAD WORK—MISSOURI

Bids were opened by State Highway Comn., Jefferson City, July 18, for constructing 3.973 mi. road from King City to Stanbury, Gentry Co., (A) E. L. Meek & Co., Kansas City; (B) J. O. Patterson & Co., 311 Ridge Bldg., Kansas City. The unit bids were as follows:

	A	B
5,000 cu.yd. earth excavation	$0.60	$0.50
8,875 cu.yd. sledged stone base	1.00	1.50
8,875 cu.yd. sledged stone base, ¼ mi. haul	1.75	1.75
145,368 cu.yd. sledged stone base additional ¼ mi. haul	.07	.07
7,658 cu.yd. waterbound macadam	1.50	2.00
7,658 cu.yd. waterbound macadam, ¼ mi. haul	2.00	1.50
125,435 cu.yd. waterbound macadam, additional ¼ mi. haul	.07	.07
1,678.5 cu.yd. crushed stone furnished at quarry	1.50	2.00
1,678.5 cu.yd. crushed stone ¼ mi. haul	2.00	1.50
27,493 cu.yd. crushed stone additional ¼ mi. haul	.07	.07
37,838 gal. bituminous binder	.16	.18
1,500 lin.ft. 4-in. vitrified tile underdrain	.54	.40
Extended totals	$87,829	$92,313

Federal Government Work

PROPOSED WORK

Va., Virginia Beach—Septic Tank, etc.—Spec. 4709—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans septic tank and drains, here.

N. C., Cape Hatteras (Hatteras P. O.)—Extension etc.—Spec. 4706—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension to barracks and painting, here.

Ga., Ft. Benning—Quarters—Constructing Quartermaster plans 10 sets N.C.O. quarters and 36 officers' quarters.

Tenn., Memphis—Boilers, etc.—U. S. Engineer, Memphis, plans to purchase boilers and machinery for hydraulic grader.

Mich., Battle Creek—Hospital—War Dept., c/o Constructing Quartermaster, Munitions Bldg., Wash., D. C., having plans prepared for U. S. Veterans' Hospital, (400 beds), aat Camp Custer, here.

Ia., Knoxville—Hospital—War Dept., c/o Constructing Quartermaster, Munitions Bldg., Wash., D. C., having plans prepared for U. S. Veterans' Hospital, (400 beds), here.

Wash., American Lake—Hospital—War Dept., c/o Constructing Quartermaster, Munitions Bldg., Wash., D. C., having plans prepared for U. S. Veterans' Hospital, (250 beds), at Camp Lewis, here.

Wash., Puget Sound—Dredging—Spec. 4708—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging, here.

Wash., Puget Sound—Pier Extension—Spec. 4707—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extending Pier 4, here.

BIDS DESIRED

R. I., Providence—Dredging—Oct. 23 at office U. S. Engineer, Providence, dredging in New Haven Harbor, conn.; adv. this issue.

N. Y., Brooklyn—Oil Storage House—Oct. 9 at office Constructing Quartermaster, 39 Whitehall St., New York City, additions to oil storage house at Army Supply Base, here; adv. this issue.

N. Y., Chelsea—Mechanical Equipment—Oct. 16 at Treas. Dept., Wash., D. C., mechanical equipment for U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

N. Y., Chelsea—Hospital—Oct. 16 by Treas. Dept., Wash., D. C., construction, (except mechanical equipment) of infirmary group for U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.; adv. this issue. Noted Sept. 14.

Pa., Phila.—Dredge Tenders—Oct. 20 at office U. S. Engineer, for two 40 ft. motor dredge tenders.

D. C., Wash.—Pump, etc.—Oct. 13 by A. L. Flint, general purch. officer, Panama Canal, Wash., D. C., for oil-handling pump, electric motor, cable wire, electrical supplies, steel conduit, flexible nonmetallic conduit, automatic arc controls, valves, ash lumber and Douglas fir timber, etc.

Ill., Chicago—Pier Removal, etc.—Oct 24 at office U. S. Engineer, 537 South Dearborn St., pier removal, dredging, etc., in Calumet Harbor; adv. this issue.

Ill., Rock Island—Steel Hull—U. S. Engineer, Rock Island, receiving bids steel towboat hull.

Ia., Boone—Remodeling—Oct. 5 by Treas. Dept., Wash., D. C., remodeling lobby of U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Mo., St. Louis—Earthwork—Oct. 11 at office Secretary Mississippi River Comn., 1311 International Life Bldg., for earthwork in Bay Island Drainage and Levee Dist. 1, Illinois; adv. this issue.

BIDS RECEIVED

R. I., Providence—Repairing Jetty—U. S. Engineer Office, repairing east jetty at entrance to Nantucket Harbor, Mass., 10.-300 long ton, from T. A. Scott Co., Inc., 292 Pequot Ave., New London, Conn., $7.48 per long ton; W. E. Burke, 28 School St., Boston, Mass., $8.35. Noted Aug. 24.

Ore., Salem—Dormitory—Comr. Indian Affairs, Wash., D. C., brick dormitory at Salem Indian School, here, from Hughes & Pugh, Salem, $52,354; F. A. Erixon, Masonic Temple, $53,672; Johnson Constr. Co., Inc., 64 Bway., Fargo, N. D., $98,600.

CONTRACTS AWARDED

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., dredging in Delaware River, on Bellevue, Cherry and Liston ranges, to Amer. Dredging Co., Mariner and Merchant Bldg., $616,786. Noted Aug. 10.

Pa., Pittsburgh—Steel Hull—U. S. Engineer, for 1 steel derrick boat hull, to Midland Barge Co., Midland, $12,100. Noted June 22.

D. C., Wash.—Air Compressor—Public Printer, Government Printing Office, air compressor, Ingersoll-Rand type, to W. G. Cornell Co., 19 Patterson St., $25,690. Noted Sept. 7.

D. C., Wash.—Steam Mains—Public Printer, Government Printing Office, steam mains in Capitol power plant, to B. F. Shaw Co., 2nd and Lombard Sts., Wilmington, Del., $73,650.

La., New Orleans—Stone—U. S. Engineer, 329 Custom House, furnishing stone for Southwest Pass, Head of Pass and South Pass, Mississippi River, to O. F. Barrett, 2303 Grandview Ave., Cincinnati, O., $216,480. Noted Aug. 10.

Wis., Park Falls—Flambeau Paper Co. 70 ft. rein.-con. and steel dam, 18 ft. head, 2 tainter gates, to F. Wells, c/o owner. Engrs. est. $50,000. Noted May 18.

Tex., Ft. Worth—Extension to Workroom—Treas. Dept., Wash., D. C., extension to workroom in U. S. Post Office, here, to J. T. Taylor, 3005 Burkburnett Bldg., $9,390. Noted Aug. 3.

Ore., Portland—Catamarans—U. S. Engineer, 2nd Dist., for 80 steel pontoon catamarans for dredges Multnomah and Wahkiakum, to Williamette Iron and Steel Wks., Portland (street address not available) $49,600. Noted July 20.

Miscellaneous

PROPOSED WORK

Eliminating Grade Crossings, etc.—Reading, Pa.—Philadelphia & Reading R.R., Reading Terminal, Phila., plans eliminating grade crossings, new road beds, bridges, etc. $4,500,000. S. T. Wagner, ch. engr.

Transmission Line—Birmingham, Ala.—Alabama Power Co. plans 90 mi., 110,000 volt transmission line from Lafayette to Opelika and also 4,400 volt line in Birmingham industrial district. $1,000,000.

Trucks—Vicksburg, Miss.—Warren Co. Dept. Hys. plans to purchase several motor driven trucks with dump bodies for hauling gravel. H. R. Rhodes, highway engr.

Ornamental Street Lighting System—Sturgeon Bay, Wis.—Plans ornamental street lighting system on 15 blocks in business district, 12 ft. concrete posts, one 400-watt light each. $25,000. Engineer not selected.

Docks, etc.—Oakland, Calif.—See "Excavation, Drainage and Irrigation."

BIDS DESIRED

Snow Plow—Pittsfield, Mass.—Comrs. Berkshire Co., taking bids 3 tractor snow plows to be operated and stored by towns of Great Barrington, Pittsfield, and North Adams. $20,000. F. Howard, comr.

Grandstand—Buffalo, N. Y.—Buffalo Baseball Club, 101 East Ferry St., taking bids 1 story, brick, steel and concrete grandstand, 15,000 seating capacity. $250,-000. Osborn Eng. Co., 2848 Prospect Ave., Cleveland, O., archts., and engrs. Noted July 13 under "Baseball Park."

Air Compressor, etc.—New York, N. Y.—Oct. 5, by Bd. Purch., Municipal Bldg., air compressor, pile hammer and coal hoisting equipment to Dept. Plant & Structures.

Cranes—Phila., Pa.—M. Smith, purch. agt. Pennsylvania R.R., Broad St. Sta.,

Miscellaneous (Continued)

taking bids two 250 ton, six 15 ton, one 50 ton, two 25 ton and two 60 ton cranes.

Brick—Wash., D. C.—Oct. 18 by Dist. Comrs., 509 Dist. Bldg., 325,000 salt glazed brick for Langley and MacFarland Junior High Schools.

Dumping Units and Oil—Ft. Lauderdale, Fla.—Oct. 3, by Comrs. Brown co., 3 hydraulic dumping units, also 40,000 gal. asphalt road oil or flux. H. C. Davis, Ft. Lauderdale, engr.

Levee—New Orleans, La.—Oct. 4, by Bd. Comrs. Tensas Basin Levee Dist., at office Bd. State Engrs., 213 Court Bldg., enlarging levee in Chilcot Co., Ark., right bank of Mississippi River, Eunice to Gaines Landing, incl. 300,000 cu.yd. excav. R. S. Swetman, Rayville, secy.

Tractors—Cleveland, O.—City, c/o R. H. Murdock, 124 City Hall, taking bids for 1 or more tractors.

Coal Hopper Equipment, etc.—Northville, Mich.—Oct. 9, by Detroit Municipal Tuberculosis Sanatorium, 1415 St. Antoine St., Detroit, furnishing and installing material and equipment for coal hopper, bins, elevator, and conveying system. Stratton & Snyder, Union Trust Bldg., Detroit, archts.

Crushed Rock, etc.—Fresno, Calif.—Oct. 6, by Supervs. Fresno Co., furnishing 5,500 ton crushed rock or gravel graded from 2½ in. down to fine sand. C. P. Jensen, Cory Bldg., co. surv.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc. —Brooklyn, N. Y.—C. B. J. Snyder, supt. School Buildings, Concord St., opened bids Sept. 22, installing heating, ventilating and temperature-regulating apparatus, etc., in P. S. 67, easterly side of St. Edwards St., etc., from T. F. Hall, 405 Lexington Ave., New York, $71,083; D. J. Rice, 42nd St. and Lexington Ave., New York, $71,167; Raisler Heating Co., 129 Amsterdam Ave., New York, $71,345. Noted Sept. 14.

Heating and Ventilating Apparatus, etc. —Elmhurst (Flushing P. O.), N. Y.—C. B. J. Snyder, supt. School Buildings, Concord St., Brooklyn, opened bids Sept. 22, installing heating, ventilating and temperature-regulating apparatus in P. S. 102, southerly side of Van Horn St., etc., here, from D. J. Rice, 42nd St. and Lexington Ave., New York, $41,487; J. C. Williams, 233 Bway., New York, $41,755; E. Rutzler Co., 404 East 49th St., New York, $41,914. Noted Sept. 14.

Mechanical Equipment—Wilmington, Del. —Bd. Harbor Comrs. received bids track scale, locomotive cranes, portal cranes, 4 dock winches, 6 tractors, 3 load carrying trucks, 60 trailers, and 50 hand trucks. Address Bd. Harbor Comrs. Noted Aug. 24.

Curb Stone—Montreal, Que.—R. Bauset, city clk., opened bids (1) 10,000 ft. straight curb stone, (2) 1,000 ft. curved stone, from Villeray Cut Stone Co., 848 Du Rosaire St., (1) $1.10 per ft., (2) $1.20; E. Des Ormeaux, Montreal, (street address not available) (1) $1.10 (2) $1.35; Jobin-Genois, Riviere a Pierre, (1) $1.50 (2) $1.80.

CONTRACTS AWARDED

Park Improvements—Buffalo, N. Y.—Dept. Parks, for park improvements at Hennepin Grounds, consisting of 2 brick shelter houses, pergola, wading pool, frame shelter house, bath house and dressing room, to J. A. Zoll, 398 Bird Ave., $34,300.

Boardwalk—Long Branch, N. J. — City Comrs., City Hall, renewing and widening 4,300 lin.ft. boardwalk from point near Morris Ave. to Sea View Ave., to Wooley & Howland, Long Branch (street address not available), $76,000. Noted Sept. 7.

Baseball Stand—Detroit, Mich.—Detroit Baseball Co., Michigan and Trumbull Aves., rein.-con. and stucco addition to baseball stand, to W. J. Fritsch, 2074 12th St., $100,000.

Bulkhead—Chicago, Ill.—South Park Comrs., 57th St. and Cottage Grove Ave., 7,200 lin.ft. bulkhead, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. Noted Sept. 7.

Stadium—Urbana, Ill.—University of Illinois, rein.-con., brick and steel stadium, to English Bros., 419 Lincoln Bldg., Champaign. Archts. est. $2,500,000. Noted Aug. 10.

Culverts—Minneapolis, Minn.—Will build 1,225 lin.ft. 9.5 x 20 ft. concrete culvert over Bassetts Creek. $94,000. Work will be done by day labor under supervision of City Eng. Dept. N. W. Elsberg, city engr.

Electrolier System—Dinuba, Calif.—Electrolier system incl. 58,000 ft. 1½ Greenfield duct conduit, 58,000 ft. No. 8 Duplex lead covered cable, etc., to Osborn Electric Co., Turlock, $63,924. Noted Sept. 21.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Oct. 6.

Substructure for Water Supply Works

Memphis, Tenn.

Sealed proposals, addressed to the Board of Commissioners of the Memphis Artesian Water Department, and endorsed with the bidder's name and designation of the work bid upon will be received at the office of the Memphis Artesian Water Department at Memphis, Tenn., until 12 o'clock noon, of the 6th day of October, 1922, and then publicly opened and read, for the construction at Memphis, Tenn., of a reinforced concrete reservoir and reinforced concrete substructures of a pumping station, iron removal plant and aerator and for the furnishing and installing of cast iron pipe, valves, drains and appurtenant structures, the work being designated as Contract 6.

The quantities of the principal items are roughly as follows:

Excavation	80,000 cu.yds.
Concrete	15,000 cu.yds.
Reinforcing steel	700 tons.
Cast iron pipe and specials	220 tons.
Valves and sluice gates, sizes 4 inch to 48 inch..	75
Venturi meters, sizes 30 inches and 42 inches....	5
Filter rate controllers.....	8

Bids must be made upon the entire work, which will be awarded as a single contract.

Copies of the bidding blanks, bonds, contracts and specifications may be obtained from any of the following offices:

Memphis Artesian Water Department, Memphis, Tennessee.

Fuller & McClintock, 421 Produce Exchange Bldg., Kansas City, Mo.

Fuller & McClintock, 170 Broadway, New York City.

Fuller & McClintock, 319 Summit Cherry Bldg., Toledo, Ohio.

A charge of $20.00 will be made for each set of specifications which charge will be refunded provided the specifications are returned within 30 days after bids are received.

The Water Commission reserves the right to reject any or all bids, to waive any informalities in the bids received, and to accept any bid or bids which they deem most favorable to the interests of the City of Memphis.

By order of the Board of Commissioners of the Memphis Artesian Water Department.

Bids: Oct. 11.

Repairs to Reservoir

Binghamton, N. Y.

Sealed proposals for Construction—Repairs to Reservoir, at the Binghamton State Hospital, Binghamton, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 P.M. (Standard Time) Wednesday, October 11th, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 3972. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Binghamton State Hospital, Binghamton, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.

Dated: September 13, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 10.

Concrete Structures: Filter Equipment and Brick Filter House

Greensboro, N. C.

Proposals will be received by the City Council of Greensboro, North Carolina, until 12 o'clock M. Tuesday, October 10th, 1922, for building a Filtration plant and appurtenances.

The work includes the construction and equipment of a six million gallon filter plant, the construction of a coagulation basin with dividing wall, capacity 1,148,000 gallons, and the construction of a mixing chamber. The principal quantities involved are:

8,000 cubic yards of earth excavation.
1,900 cubic yards of concrete.
225,00 pounds of reinforcing steel.
The equipment of six one-million gallon filter units.
80,000 brick laid in filter house walls.
Steel wash water tank of 70,000 gallons capacity.
1,000 GPM motor-operated pump.
Piping, valves, and miscellaneous items.

Plans will be on file and may be seen at the office of the City Manager, Greensboro, N. C., or at the office of The Ludlow Engineers, Winston-Salem, N. C., after September 15th. After that date copies of the Specifications, Bid Blank, and Contract may be obtained from the Engineers or City Manager. For the convenience of prospective bidders, the Engineers will furnish copies of the plans upon application accompanied by a check for ten ($10.00) dollars to cover the cost, or separate prints at one ($1.00) dollar each.

Each bid must be accompanied by a certified check in the sum of $5,000, or 5% of the amount of partial bids.

Proposals will be opened publicly with the usual rights reserved.

P. C. PAINTER,
City Manager.

J. L. LUDLOW,
Consulting Engineer.

Bids: Oct. 2.

Water Main Extensions

Saranac Lake, N. Y.

Sealed proposals will be received by the Clerk of the Sewer and Water Board of the Village of Saranac Lake, N. Y., until 8:00 o'clock P.M. on Monday, October 2nd, 1922, for the construction of the following extensions to the existing water distribution system of said Village.

2,700 feet of 10 inch, Class No. 100 Universal Water Mains.
4,500 feet of 6 inch, Class No. 130 Universal Water Mains.
2 10 in. Gate Valves and Wayboxes.
12 6 in. Gate Valves and Wayboxes.
22 Double Nozzle Fire Hydrants.

The above quantities are approximate only, for a basis for a uniform comparison of bids.

Bids must be made on proposal blanks furnished by the Sewer and Water Board and must be accompanied by a Certified Check to the amount of $500.00 drawn payable to S. A. Miller, Clerk of the Board.

Proposals must be sealed and delivered to the Clerk and indorsed "Proposals for construction of water mains."

Plans may be seen and proposal blanks, form of contract and specifications secured upon application to the Clerk.

The Sewer and Water Board reserves the right to reject any and all bids.

By order of the Sewer and Water Board.

S. A. MILLER, Clerk,
Saranac Lake, N. Y.

JOHN L. COLLINS, Engineer,
30 Church St., N. Y.

SEARCHLIGHT SECTION
OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Hospital Construction

New York, N. Y

Sealed proposals for Construction, Heating, Sanitary and Electric Work, for Central Heating and Lighting Plant, Kitchen and Dining Room Building and Buildings for Chronic Patients (North and South), and Construction of Tunnels at the Creedmoor Division, Brooklyn State Hospital, Creedmoor, Borough of Queens, Long Island, N. Y., will be received by the State Hospital Commission, Room 1046, 25 Broadway, New York City, N. Y., until 12 o'clock noon (Standard Time), on Tuesday, October 31st, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contracts within thirty (30) days after official notice of award of contracts and in accordance with the terms of Specifications Nos. 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990 and 3995. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Brooklyn State Hospital, Brooklyn, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $25.00 made payable to the State of New York for each set of plans and specifications, which check will be returned if plans and specifications are returned in good condition to the State Architect, L. F. Pilcher, Capitol, Albany N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: September 21, 1922.

Bids: Oct. 6.

Garbage Incinerator

Charleston, W. Va.

Sealed proposals will be received by the undersigned until 2 P.M. on the 6th day of October, 1922, for the construction of a plant for the incineration of all garbage collected by the City of Charleston, West Virginia.

The work to be done includes the construction of a refuse incinerator plant complete, tested, accepted, and ready for operation, including the building, flues, chimney, and all appurtenances, and of a capacity of fifty (50) tons for twenty-four hours.

All proposals must be made upon the forms provided therefor and accompanied by a certified check in the sum equal to two and one-half (2½%) per cent of the amount bid.

The Council of the City of Charleston, West Virginia, reserves the right to reject any or all bids.

Specifications and blank proposals may be obtained at the office of the City Manager, City Building, Charleston, West Virginia.

LON H. BARRINGER,
City Manager.

OFFICIAL PROPOSALS

Bids: Oct. 3.

Street Paving

Long Branch, N. J.

Notice is hereby given that sealed proposals will be received by the Board of Commissioners of the City of Long Branch, N. J., for the paving of Atlantic Avenue from Ocean Avenue to Liberty Street with approximately sixteen thousand (16,000) square yards of asphalt upon a concrete foundation with concrete gutters three feet wide, together with re-setting necessary curb and other work incidental thereto, including those portions of driveways of intersecting streets or alleys which are included with the property line of said avenue above mentioned, and will be opened and read at a regular meeting of the Board of Commissioners at City Hall, Long Branch, N. J., on Tuesday evening, October 3, 1922, at 8 o'clock or as soon thereafter as same can be presented.

Drawings and specifications prepared by J. W. Seaman, City Engineer, are now on file in the office of the City Clerk, and may be obtained by prospective bidders during business hours, upon a deposit of $10.00, which will be refunded upon the return of the plans and specifications in good condition, at the time the bids are received.

All bids must be made on the standard proposal form in the manner designated therein and required by the specifications and must be enclosed in sealed envelopes bearing the name and address of the bidder and marked, "Bid for paving Atlantic Avenue," and addressed to Frank C. Quinn, City Clerk, and must be accompanied by a surety company certificate stating that said surety company will provide the bidder with the required bond on the proposed work.

No bid will be considered unless accompanied by a certified check for not less than ten per cent of the amount bid on the work, drawn to the order of Frank L. Howland, City Treasurer, or cash in equal amount.

The standard proposal forms and data may be obtained on application to the Engineer at his office, 192 Broadway, Long Branch, N. J.

The Board of Commissioners reserves the right to reject any or all bids, if deemed to the best interests of the City so to do.

Dated, Long Branch, N. J., September 20, 1922.

FRANK C. QUINN,
City Clerk.

Bids: Oct. 10.

Steam Turbine and Accessories

New Orleans, La.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, Tuesday, October 10th, 1922, for furnishing one 6,000 kw. STEAM turbine and accessories.

Specifications and blank forms of proposals may be obtained at Room 303, No. 526 Carondelet Street, New Orleans.

The right is reserved to reject any or all bids.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.
Aug. 10, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 2.

Pavement, Curbing and Catch Basins

Noroton, Conn.

Sealed proposals for furnishing all labor and materials for the construction of proposed Drives, Curbing and Catch Basins and necessary drains to be constructed on the grounds of Fitch's Home for Soldiers and Soldiers' Hospital of Connecticut at Noroton Heights, Conn., will be received at the office of Col. Henry J. Seeley at the Soldiers' Home in Noroton until October 2, 1922, at 12:00 a.m. (D.S.T.).

The bids will be opened at the Governor's Office in the State Capitol at Hartford, on October 3rd, 1922, at 11:00 a.m. (D.S.T.).

The bids shall be in accordance with the plans and specifications for the work on file in the office of Col. Henry J. Seeley at the Soldiers' Home, where they may be obtained by bidders upon payment of $5.00, the same to be refunded when plans are returned in good condition.

The principal items of work consist of:
4,614 sq.yd. Penetration Pavement.
4,660 lin.ft. Concrete Curbing.
18 Catch Basins.

Each proposal shall contain the full name of every firm or corporation interested in the same and the address of the person or firm, or President or Secretary of the corporation bidding, and shall be accompanied by a certified check upon a national bank or trust company drawn to the order of The Soldiers' Hospital Board of Connecticut, in the sum of $650, which shall become the property of the State Hospital Board as liquidated damages in case the successful bidder fails to enter into a contract within five (5) days after the award of this contract as herein provided.

The checks of unsuccessful bidders will be returned upon demand and of the successful bidder upon completion of the work in a satisfactory manner, no bond being required.

All bids to be placed in a sealed envelope marked "Bids for Road and Curbing."

The Soldiers' Hospital Board reserves the right to reject any or all bids.

By order of
THE SOLDIERS' HOSPITAL BOARD OF CONNECTICUT,
JOHN H. THACHER,
Chairman of Executive Committee.

Bids: Oct. 16.

Junior High School Building

Altoona, Pa.

Proposals will be received by the School District of Altoona, Penna., until 8 p.m., October 16th, for the erection and completion of a Junior High School 224 x 232 ft., three stories and basement, fireproof, also proposals for Heating and Ventilation, Plumbing and Electric Work.

Further information will be supplied on application to the Architect.

JULIAN MILLARD,
Registered Architect,
Altoona, Penn.
WM. B. ITTNER,
Consulting Architect.
W. N. DECKER,
Secretary,
Altoona School District.

OFFICIAL PROPOSALS

Bids: Oct. 4.

Public Sewerage System

Hartsdale, N. Y.

Sealed proposals for furnishing all labor and materials necessary for the construction and completion of a Public Sewer System in the Hartsdale Sewer District, Town of Greenburgh, Westchester County, New York, addressed to the Board of Sewer Commissioners of said Sewer District will be received at the Office of said Sewer Commissioners, Wilson Street, Hartsdale, New York, until 3.00 o'clock p.m. on the 4th day of October, 1922, at which time and place all proposals then received will be opened and publicly read. The bids shall be in accordance with the plans and specifications for the proposed work, on file in the said Office of said Board of Sewer Commissioners, Wilson Street, Hartsdale, New York, from whom copies may be obtained. A deposit of Fifteen ($15.00) Dollars will be required for each set of plans and specifications furnished, which sum will be refunded to all persons submitting bids if said plans and specifications are returned in good condition within 30 days after bids have been received and acted upon by said Sewer Commissioners.

Such proposals shall be made on the blank form of proposals furnished by the Sewer Commissioners attached to the specifications. Any proposal containing bids not asked for or which does not contain prices in words and figures for all items given in the form of proposal, or which is otherwise not in conformity with this notice, may be rejected.

Each proposal shall contain the full name of every person, firm or corporation interested in the same, and the address of the person, firm or corporation bidding, and shall be accompanied by certified check drawn upon a State or National Bank or Trust Company to the order of the Hartsdale Sewer District in the sum of Twenty-five hundred ($2,500) Dollars.

The bidder to whom the contract may be awarded shall attend at the Office of said Sewer Commissioners with the Sureties offered by him within six (6) days after the date of notification by the Sewer Commissioners, their Agent or Attorney of the acceptance of his proposal and there sign the contract for the work in triplicate. In case of failure so to do, the bidder will be considered as having abandoned the same, and the certified check accompanying his proposal shall be forfeitured to the Sewer District.

The checks of all unsuccessful bidders will be returned upon demand after the award of the contract, and also the check of the successful bidder upon the execution of the contract and the furnishing of the required bond. Before the execution of the said contract, the successful bidder thereon shall furnish a Surety Company bond in the sum of Fifty (50%) per cent of the aggregate price named in the contract conditioned upon the faithful performance of such contract; such Bond shall be satisfactory and acceptable to the Board of Sewer Commissioners of said Sewer District both as to form, manner of execution and sufficiency of the Surety or Sureeties.

The Engineer's Estimates of the work to be performed and materials furnished, in accordance with the plans and specifications, is as follows: 12,409 feet of eight inch vitrified pipe; 5,134 feet of ten inch vitrified pipe; 7,340 feet of twelve inch vitrified pipe, 2,463 feet of fifteen inch vitrified pipe; 1,521 feet of sixteen inch class A cast iron pipe; 114 manholes and four flush-tanks.

The Sewer Commissioners hereby reserve the right to reject any or all bids and to accept such bid as, in the opinion of the Sewer Commissioners, seems best intended to subserve the interest of said Sewer District.

Dated Hartsdale, New York, this 21st day of September, 1922.

By Order of the Hartsdale Sewer Commissioners.

HOWARD E. TOWNSEND,
Chairman.
ROY W. BRIGGS, Secretary.

Bids: Oct. 10.

Fire Hose

Fort Meyers, Fla.

City of Fort Meyers, Fla., will receive bids for supplying 1,000 feet 2½ inch Eureka Multiple woven fire hose, 50 foot sections. Bids opened 7:30 p.m. Oct. 10th, 1922.

C. P. STALEY,
City Manager.

OFFICIAL PROPOSALS

Bids: Oct. 3.

Construction of Inlet

Ft. Lauderdale, Fla.

Notice is hereby given that the Board of County Commissioners, Broward County, Florida, will receive bids until 11:00 o'clock a.m., on Tuesday, October 3rd, 1922, for the construction of an inlet from New River Sound to the Atlantic Ocean, near Ft. Lauderdale, as per plans and specifications on file in the Clerk's Office, Courthouse Bldg., Ft. Lauderdale, Florida. Such work shall be let in two contracts, being as follows:—

(a) The dredging of 81,000 cubic yards more or less of earth; and the dredging of 5,000 cubic yards more or less of rock;

(b) The furnishing and placing of 6200 cubic yards more or less of riprap and jetty hearting and of 2500 tons more or less of jetty capping, all in riprap and jetty construction.

Separate bids will be received and separate contracts let for each of the two classes of work mentioned. Copy of plans and specifications may be secured from the Clerk upon payment of $1.00 to cover cost of printing same.

Each bid shall be accompanied by a certified check in the amount of 3% of the bid, guaranteeing that bidder will make contract and bond within ten days of notice of award.

Bond on each contract will be required in the sum of 50% of the amount bid.

Address all bids to the Board of County Commissioners in care of Frank A. Bryan, Clerk, Ft. Lauderdale. Fla.

The Board reserves the right to reject any and all bids.

By order of the Board. August 22nd, 1922.

H. G. WHEELER,
Chairman.

Attest: FRANK A. BRYAN,
Clerk.
Dated August 22, 1922.

Bids: Oct. 10.

Reinforced Concrete Pavement, Curb and Storm Water Sewer

Sag Harbor, N. Y.

Sealed proposals will be received and opened publicly by the Trustees of the village of Sag Harbor at the Municipal Building, Sag Harbor, New York, at 12 noon on Oct. 10, 1922, for the construction of approximately 1.14 miles of reinforced concrete pavement; 2,640 lin.ft. concrete curb; storm water sewers as follows: 540 lin.ft. 12-in. sewer, 1,830 lin.ft. 15-in. sewer, and 1,270 lin.ft. 24-in. sewer.

Plans, specifications and proposals may be seen at the office of the village clerk and at the office of the engineer. Copies thereof may be obtained of the engineer upon the payment of $15.00 per set to cover cost of reproduction and mailing, one-half of which will be refunded upon the return of said copies in good order.

Special attention of the bidder is called to sheet in proposal forms entitled "Information for Bidders."

All bids are to be accompanied by certified check equal to 5 per cent of the total amount of bid.

The right is reserved to reject any and all bids.

MORLEY B. LEWIS,
Village President.
H. F. BISHOP,
Construction Engineer,
Westhampton Beach, N. Y.

Bids: Oct. 9.

Reinforced Concrete Bridge

White Plains, N. Y.

Sealed bids or proposals for the construction of a reinforced concrete arch bridge over the Croton River at the site of the present Van Cortlandt Bridge on the Albany Post Road between the Towns of Cortlandt and Ossining, Westchester County, New York, will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, N. Y., until 10:00 a.m., October 9th, 1922.

Proposed bridge to consist of six arches, 48 to 74 foot spans, 40 feet wide.

Specifications, proposal sheets and all information relative to same may be procured at the office of the County Engineer, Court House, White Plains, N. Y., upon making a deposit of ten dollars ($10.00).

BOARD OF SUPERVISORS,
FRED L. MERRITT, Clerk.
September 11, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 23.

Drainage Work

Hershey, Neb.

Sealed proposals or bids will be received by Drainage District No. 1 of Lincoln County, Nebraska, at the office of the Drain Commissioner, Hershey, Nebraska, up to one o'clock P.M., on the 23rd day of October, 1922, for constructing approximately 22.8 miles of open drain ditches and 6 miles of tile drains.

There are four schedules as follows:

SCHEDULE NO. 1

15,552 feet 14 ft. bottom ditch 103,000 cu.yds.

33,500 feet 8 ft. bottom ditch 315,000 cu.yds.

Constructing 8 steel and concrete highway bridges, 16 farm bridges and 5 irrigation canal flumes.

SCHEDULE NO. 2

44,827 feet 6 ft. bottom ditch 296,000 cu.yds.

35,862 feet 4 ft. bottom ditch 169,000 cu.yds.

Constructing 6 steel and concrete highway bridges, 2 wooden pile highway bridges, 19 farm bridges and 2 irrigation canal flumes.

SCHEDULE NO. 3

Furnishing F.O.B. cars at Hershey or O'Fallons, Nebraska, 31,900 feet extra quality vitrified drain tile from 8 inch to 24 inch diameter.

SCHEDULE NO. 4

Hauling tile, excavating, laying and backfilling complete in place 31,900 feet of tile drain varying in size from 8 inch to 24 inch, average depth from 7 to 8 feet.

Instructions for bidders, proposal blanks, plans and specifications, form of contract, provisions for the giving of bond by the contractor, and other instructions may be obtained by mail from the Drain Commissioner, at the office of the Board of Supervisors at Hershey, Nebraska, upon deposit of $10.00 to pay the costs of the same.

By order of the Board of Supervisors.
Dated this 19th day of September, 1922.

W. H. JENKINS,
President.
W. A. KELLY,
Drain Commissioner.

Attest:
J. W. ABBOTT,
Secretary.

Bids: Oct. 7.

Bridge Repairs

Trenton, N. J.

Sealed proposals will be received by the Joint Commission for the Elimination of Toll Bridges over the Delaware River, between New Jersey and Pennsylvania, until noon Saturday, October 7th, 1922, at the State House, Trenton, New Jersey, for the repairs to the bridge over the Delaware River between Milford, Pike County, Pennsylvania and Montague Township, Sussex County, New Jersey.

Proposals must be submitted on the form furnished by the Commission and accompanied by a certified check for the amount of $800, made payable to the Treasurer of the Joint Commission, as a guaranty of good faith.

Plans, specifications and estimates of the quantities are on file at the office of Louis Focht, Engineer, at 125 West State Street, Trenton, New Jersey; this being the address to which the bids are to be sent.

All bids are to be submitted in a sealed envelope marked, "Proposal for repairs to the bridge at Milford, Pike County, Pa."

The right is reserved to reject any or all bids and to waive any informality in the bids received.

LOUIS FOCHT.
Engineer to the Joint Commission.

Bids: Oct. 9.

Street Improvement

Laurel, Miss.

Sealed proposals will be received by the Mayor and Board of Commissioners of the City of Laurel, Mississippi, until two o'clock P.P., on the 9th day of October, 1922, at the office of the City Clerk of said City, for constructing approximately:

19,865 sq.yds. brick pavement with concrete foundation.

16,160 sq.yds. gravel surfacing.

20,243 lin.ft. combined curb and gutter.

4,000 sq.yds. concrete sidewalk.

with all appurtenances thereto.

Plans and profiles may be seen and specifications and proposal forms may be obtained at the office of the City Clerk of the City of Laurel, Mississippi.

J. H. PACE.
Street Commissioner.

OFFICIAL PROPOSALS

Bids: Oct. 16.

Sewer Work

Hackensack, N. J.

The Hackensack Improvement Commission, the governing body of the City of Hackensack, Bergen County, New Jersey, requests proposals for the following work, to wit:

Contract No. 4—For the construction of about 4,600 linear feet of twelve (12), eight (8) inch vitrified pipe sewers, about 3,400 linear feet of twelve (12), eighteen (18), twenty (20), twenty-two (22), twenty-four (24) and twenty-seven (27) inch vitrified pipe sewers, 1360 linear feet of circular concrete sewers and 2,500 linear feet of egg shaped concrete sewers, together with manholes, catchbasins, and other works appurtenant thereto.

The foregoing work is more particularly described and set forth in the plans and specifications on file with Lemuel Lozier, Engineer of the Commission and with the Clerk of the Commission.

The plans and specifications, information for bidders, forms of proposals and contracts, forms of bonds required and other information can be seen at the office of Lemuel Lozier, Engineer of the Commission, Room 3, Bank Building, Main and Mercer Streets, Hackensack, New Jersey; copies of such plans and specifications may be obtained by bidders on making a deposit of $100.00, which deposit will be refunded upon the return of the plans and specifications in good condition.

The contract will be let to the lowest responsible bidder, subject to the right of the Commission to reject any and all bids.

All bids must be made on the form of proposal to be obtained from the Engineer of the Commission, and must give the prices both in writing and in figures, and must give such other information and be signed in the manner indicated on the form of proposal. Each bid submitted for Contract No. 4 must be accompanied by a certified check for $5,000.00, payable to the Hackensack Improvement Commission.

Checks of the unsuccessful bidders will be returned immediately upon the award of the contract. The check of the successful bidder will be returned to the bidder upon the execution of the contract and the furnishing of the bond required, within ten days after the date of the award thereof, or within such extended time as may be determined by the Commission. In case of failure to execute the required contract, and furnish the required bond within such time, such check shall be forfeited to the Hackensack Improvement Commission as liquidated damages.

The proposals herein required for Contract 4 shall be presented to the Hackensack Improvement Commission, at the Municipal Building, 346 State Street, Hackensack, Bergen County, New Jersey, on Monday, the sixteenth (16) day of October, 1922, at 8 p.m. Standard Time.

No bids will be received prior to said hour and none thereafter.

The proposals shall be submitted in sealed envelopes or packages.

The proposals shall be endorsed as follows: "Proposal for sewers Contract N. 4."

The Hackensack Improvement Commission.

By SPENCER D. BALDWIN, Mayor.
WILLIAM SCHAFF, Clerk.

Bids: Oct. 2.

Sewer Extensions

Saranac Lake, N. Y.

Sealed proposals will be received by the Clerk of the Sewer and Water Board of the Village of Saranac Lake, N. Y., until 8:00 P.M. on Monday, Oct. 2nd, 1922, for the construction of sewers in the said Village, as follows:

900 feet of 8 inch sewer.
5,500 feet of 6 inch sewer.
32 Manholes.

The above quantities are approximate, only for a basis of a uniform comparison of bids.

Bids must be made on proposal forms furnished by the Sewer and Water Board and must be accompanied by a certified check to the amount of $500.00 drawn payable to S. A. Miller, Clerk of the Board.

Proposals must be sealed and delivered to the Clerk, indorsed "Proposal for the construction of Sewers."

Plans may be seen, and Proposal blanks, form of Contract and Specifications may be secured at the office of the Clerk.

The Sewer and Water Board reserves the right to reject any and all bids.

By order of the Sewer and Water Board.

S. A. MILLER, Clerk,
Saranac Lake, N. Y.
JOHN L. COLLINS, Engineer,
30 Church St., N. Y.

OFFICIAL PROPOSALS

Bids: Oct. 19.

Wanaque Aqueduct— Great Notch Tunnel Contract 3—(Unit Price)

Newark, N. J.

Sealed proposals will be received from 12 o'clock noon to 12:15 o'clock P.M. (Eastern Standard Time) on Thursday, October 19, 1922, by the North Jersey District Water Supply Commission of the State of New Jersey, in its office, Room 412, 20 Clinton Street, Newark, New Jersey, and publicly opened and read at the last named hour, for the performing of all necessary work required in the carrying out of the contract for the construction of Great Notch tunnel and approaches.

The work will include the excavation and concrete lining of a 7-foot tunnel 9,100 feet in length and the construction of about 5,000 feet of 7-foot concrete aqueduct in open cut and various appurtenant structures.

A pamphlet containing the information for bidders, form for proposal, form of contract, specifications and drawings may be examined at the office of the Commission and may be obtained at said office upon deposit of $10.00, which deposit will be repaid upon the return of the pamphlet within 30 days.

All bids shall be made on the blank form supplied by the Commission, which provides for a detailed statement as to the bidder's experience and resources as well as the prices for which he will execute the respective items of work.

Proposals must be accompanied by the consent in writing of a surety company qualified to do business in New Jersey, binding itself that if the contract be awarded to the person making the proposal, the said surety company will become surety for the faithful performance of the said contract in an amount equal to 50 per cent of the contract price.

All bids must be accompanied by a certified check for fifty thousand dollars as a guarantee for the good faith of the bidder. Checks of unsuccessful bidders will be returned within 15 days, that of the successful bidder upon the execution of contract and bond.

The Commission reserves the right to reject all proposals or any proposal which may be informal, or the acceptance of which would be, in the judgment of the Commission for the reasons as suggested in "Information for Bidders," or for any other reason, detrimental to the interests of the municipalities for which the work is to be done.

By order of the North Jersey District Water Supply Commission of the State of New Jersey.

LAURENT J. TONNELE,
Chairman.

Attest: EDMOND TYLER,
Secretary.
ARTHUR H. PRATT,
Chief Engineer.
MORRIS R. SHERRERD,
Consulting Engineer.

Bids: Oct. 17.

Highway Work

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., October 17, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of 30 miles of Reinforced Concrete, 18 miles of either Bituminous on a Concrete Foundation or Reinforced Concrete and 1 mile of Bituminous Macadam Pavement; also for the erection of a Reinforced Concrete Bridge. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia, and 119 Federal Street, N. S., Pittsburgh, Pa. GEORGE H. BILES, Assistant State Highway Commissioner.

A Big Thought in a Small Space
Dependable Service.
SWART
Contract Bonds
Compensation Insurance
92 William St., New York

OFFICIAL PROPOSALS

Bids: Oct. 19.

Wanaque Aqueduct— Great Notch Tunnel Contract 4—(Lump Sum)

Newark, N. J.

Sealed proposals will be received from 12 o'clock noon to 12:15 o'clock P.M. (Eastern Standard Time), on Thursday, October 19, 1922, by the North Jersey District Water Supply Commission of the State of New Jersey, in its office, Room 412, 20 Clinton Street, Newark, New Jersey, and publicly opened and read at the last named hour, for the performing of all necessary work required in the carrying out of the contract for the construction of Great Notch tunnel and approaches.

The work will include the excavation and concrete lining of a 7-foot tunnel 9,100 feet in length and the construction of about 5,000 feet of 7-foot concrete aqueduct in open cut and various appurtenant structures.

A pamphlet containing the information for bidders, form for proposal, form of contract, specifications and drawings may be examined at the office of the Commission and may be obtained at said office upon deposit of $10.00, which deposit will be repaid upon the return of the pamphlet within 30 days.

All bids shall be made on the blank form supplied by the Commission, which provides for a detailed statement as to the bidder's experience and resources as well as the price for which he will execute the work.

Proposals must be accompanied by the consent in writing of a surety company qualified to do business in New Jersey, binding itself that if the contract be awarded to the person making the proposal, the said surety company will become surety for the faithful performance of the said contract in an amount equal to 50 per cent of the contract price.

All bids must be accompanied by a certified check for fifty thousand dollars as a guarantee for the good faith of the bidder. Checks of unsuccessful bidders will be returned within 15 days, that of the successful bidder upon the execution of contract and bond.

The Commission reserves the right to reject all proposals or any proposal which may be informal, or the acceptance of which would be, in the judgment of the Commission for the reason as suggested in "Information for Bidders," or for any other reason, detrimental to the interests of the municipalities for which the work is to be done.

By order of the North Jersey District Water Supply Commission of the State of New Jersey.

LAURENT J. TONNELE,
Chairman.

Attest: EDMOND TYLER,
Secretary.
ARTHUR H. PRATT,
Chief Engineer.
MORRIS R. SHERRERD,
Consulting Engineer.

Bids: Oct. 9.

Bridge Work

Lansing, Mich.

Sealed Bids will be received by the City Clerk of Lansing, Michigan, up to 4:00 p.m., Monday, October 9, 1922, for the construction of a reinforced concrete combined river and grade separation bridge. Estimated cost, not including property damages, $175,000.

Plans and specifications may be obtained from the City Engineer by making a deposit of $50.00.

W. BINTZ.

U. S. GOVERNMENT

PROPOSAL FOR SPURDIKES.—U. S. Engineer Office, 329 Customhouse, New Orleans, La.—Sealed proposals will be received here until 9.00 a.m., October 3, 1922, and then opened, for construction of spurdikes at Southwest Pass, Mississippi River. Further information on application.

PROSPOSALS FOR LEVEE WORK.—Office of the Secretary, Mississippi River Commission, 1311 International Life Building, St. Louis, Mo.—Sealed proposals will be received here until 11 a. m. Oct. 11, 1922, for constructing about 545,000 cubic yards of earthwork by the hydraulic method in the Bay Island Drainage and Levee District No. 1, Ill. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock noon, Oct. 23, 1922, and then opened, for dredging in New Haven Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, NASHVILLE, TENN.—Sealed proposals will be received here until 11 a.m., Oct. 23, 1922, and then opened, for 3 steel dump scows. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Buildings, Tupper Lake, N. Y., Specifications No. 4710," will be received at the Bureau of Yarks and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., October 11, 1922, and then and there publicly opened, for buildings at the U. S. Veterans' Bureau Hospital, Tupper Lake, N. Y. The work will include plain and reinforced concrete; artificial stone; hollow tile and brick work; wood framing, sash, doors and finish; plaster and metal lath; slate, promenade tile and tin roofing; sheet metal work; interior marble and tile work; steel sash; steel covered doors; miscellaneous metal work; composition flooring; linoleum; fire escapes; hardware; painting and glazing; electrically and hand-operated dumbwaiters; plumbing; heating; electric light and power; telephones; call bells. Drawings and Specification No. 4710 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $100, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, September 14, 1922.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, Room 710, Army Building, 39 Whitehall Street, New York, N. Y. Sealed proposals will be received here until 12 m., October 5, 1922, and then opened, for dredging and rock removal in East River, N. Y. Further information on application.

U. S. ENGINEER OFFICE, MOBILE, ALA.—Sealed proposals will be received here until 11 o'clock a.m., Oct. 10, 1922, and then opened, for the construction of one 100-ft. Diesel-Electric towboat. Further information on application.

U. S. ENGR. OFFICE, WILMINGTON, DEL.—Sealed proposals will be received here until 11 A.M., October 6, 1922, and then opened, for dredging Tuckerton Creek, N. J. Further information on application.

OFFICE OF THE CONSTRUCTING QUARTERMASTER, ABERDEEN PROVING GROUND, MD. Sealed proposals will be received in this office until 10:00 A.M., October 18, 1922, and then opened, for the construction of twenty sets of officers' quarters, at Edgewood Arsenal, Md. Plans and specifications may be obtained at this office upon the deposit of $10.00, which will be refunded upon the return of same in good condition, or they may be seen at the Quartermaster's Office, Edgewood Arsenal, Md. The right is reserved to accept any or to reject all bids for this project.

SEALED PROPOSALS for constructing additions to Oil Storage House at Army Supply Base, Brooklyn, N. Y., will be received and publicly opened at 11 A.M., Oct. 9, 1922, at Constructing Quartermaster's Office, 39 Whitehall St., N. Y. City, N. Y. Information at above address.

U. S. GOVERNMENT

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Sept. 18, 1922. Sealed prosposals will be opened in this office at 3 p.m. Oct. 16, 1922, for construction (except mechanical equipment) of an Infirmary Group (four brick and concrete buildings two and three stories, with a total ground area of 44,600 square feet) for the United States Veterans' Hospital, at Chelsea, N. Y. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. Before drawings and specifications are forwarded to prospective bidders, applicants must cite at least one specific instance where a record for speed has been established on a job of equivalent magnitude, giving date of award of contract, amount of contract, specified time for completion and date of actual completion. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations.

JAS. A. WETMORE,
Acting Supervising Architect.

PROPOSAL FOR PIER REMOVAL, ETC.—U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois. Sealed proposals for pier removal, dredging, etc., in Calumet Harbor, Illinois, will be received here until 10 a.m., October 24, 1922, and then opened. Further information on application.

EMPLOYMENT

POSITIONS VACANT — POSITIONS WANTED

POSITIONS VACANT

CAPABLE coffer-dam foreman wanted for hydro-electric work in South America; must speak Spanish. P-995, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

CHLORINE gas expert desired by manufacturer contemplating making chlorine control apparatus. Reply, giving experience and other convincing data. P-27, Eng. News-Record.

CONTRACTING firm having large amount of road and bridge contracts has opening for an experienced superintendent to take charge of part of their work and able to invest from $10,000 to $20,000; to receive salary or salary and commission, also good guaranteed return on money invested with good security for investment P-45, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

DESIGNER and estimator on reinforced concrete, docks, bulkheads, etc., wanted by contracting company; prefer graduate engineer between ages 25 and 30. P-6, Eng. News-Record.

DRAFTSMEN, several, experienced, structural, for steel construction pertaining to apartment and loft buildings. Hinkle Iron Co., 534 West 56th Street, New York City.

DRAFTSMEN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

FIRST class draftsman wanted with experience detailing, checking and designing structural steel as used in mill buildings. Must be single. State education, experience and salary expected. Location Northern Minnesota. P-987, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

DRAFTSMEN, experienced in steel mill construction, oil refinery, and power plant construction, wanted for work at our Port Arthur, Texas, refinery. Apply Gulf Refining Company, 16th Floor, Frick Building Annex Pittsburgh.

POSITIONS VACANT

ORNAMENTAL iron draftsman, familiar with the designing and detailing of all kinds of ornamental and miscellaneous iron work for buildings. Apply by letter, stating experience, references and salary desired, to James McKinney & Son, 925 Broadway, Albany, N. Y.

RECENT graduate in either civil or architectural engineering to detail and design reinforced concrete; permanent; location Chicago. P-28, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

SEVERAL bridge designers and draftsmen wanted by a State Highway Department in the Middle West. Should have at least two years concrete and steel designing, and preferably several years of general engineering experience. Give complete statement of experience and earliest date available. Submit sample of work, if possible. Initial salary about $175.00 per month. P-970, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

RESOURCEFUL master mechanic needed for hydro-electric construction work in South America; must speak Spanish. P-996, Eng. News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

WANTED

A CONSTRUCTION ENGINEER

30 to 35 years of age, with a thorough knowledge of building construction and possessing to an unusual degree initiative, energy and selling ability. Can make a most valuable connection if he can qualify.

P-43, Engineering News-Record,
1570 Old Colony Bldg., Chicago, Ill.

POSITIONS VACANT

EXPERIENCED structural detailers and template makers, single men preferred. Application should give telegraphic address, experience, salary expected. Address Box 654, Havana, Cuba.

STRUCTURAL steel detailers for buildings and bridges and general structural work. Must be able to produce results. State in application, age, nationality, education, experience, salary expected, date available. Pittsburgh District. P-916, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

STRUCTURAL steel detailers for bridges and buildings wanted. Permanent positions to capable men. Only men with past experience in fabricating plants and those with intentions of staying, need apply. P-931, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

STRUCTURAL engineers wanted who have had experience in supervising reinforced concrete and structural steel buildings to act as superintendent for Detroit architect. State experience, references and salary desired. P-41, Eng. News-Record, Leader-News Bldg., Cleveland, O.

STRUCTURAL steel draftsmen, beginners and men for advanced positions wanted. Worden Allen Company, P. O. Box 1595, Milwaukee, Wisconsin.

SUPERINTENDENT watershed. One who can take entire charge of the operation and maintenance of a watershed and familiar with forestry work. State experience, references, nationality and salary wanted. Work in New Jersey. P-971, Eng. News-Record.

WANTED detailers and checkers of structural steel for buildings. Apply Richmond Structural Steel Co., Richmond, Va.

ELECTRICAL ENGINEERING GRADUATES

with two to five years experience on Central and Sub-station designing, switchboard diagraming and drafting. Salary according to experience and ability. State age and attach photograph. Write.

P-8, Engineering News-Record
Leader-News Bldg., Cleveland, Ohio.